ORDER NO. MD0505214C2

Service Manual

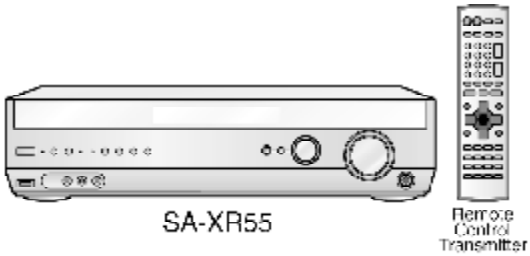
AV Control Receiver

SA-XR55E / SA-XR55EB / SA-XR55EG

Colour

(S).....Silver Type

(K).....Black Type (E/EG only)



SPECIFICATIONS

Specification

■ **AMPLIFIER SECTION**

Power output (at AC 230-240 V)	
DIN 1 kHz (T.H.D. 1 %)	**2 x 100 W (6 Ω)**
20 Hz-20 kHz continuous power output both channels driven	**2 x 80 W (6 Ω)**
Total harmonic distortion	
rated power at 20 Hz-20 kHz	**0.09 % (6 Ω)**
Power bandwidth	
both channels driven, -3 dB	**4 Hz-88 kHz / (6 Ω, 0.9 %)**
Power output each channel driven (at AC 230-240 V)	
DIN 1 kHz (T.H.D. 1 %)	
Front (L/R)	**100 W (6 Ω)**
Center	**100 W (6 Ω)**
Surround (L/R)	**100 W (6 Ω)**
Surround Back (L/R)	**100 W (6 Ω)**
Load impedance	
Front (L/R)	
A or B	**6-16 Ω**
A and B	**6-16 Ω**
BI-WIRE	**6-16 Ω**

Center	6-16 Ω
Surround (L/R)	6-16 Ω
Surround Back (L/R)	6-16 Ω
Frequency response	
CD, TAPE, TV, DVD, DVD RECORDER, VCR1, VCR2	4 Hz-88 kHz, ±3 dB
DVD 6CH	4 Hz-44 kHz, ±3 dB
Input sensitivity and impedance	
CD, TAPE, TV, DVD/DVD 6CH, DVD RECORDER, VCR1, VCR2	200 mV/22 k Ω
S/N at rated power (6 Ω)	
CD, TV, DVD, DVD RECORDER / (Digital Input)	90 dB / (IHF, A: 103 dB)
Tone controls	
BASS	50 Hz, +10 to -10 dB
TREBLE	20 kHz, +10 to -10 dB
Output voltage	
TAPE, DVD RECORDER	200 mV
Channel balance (250 Hz-6.3 kHz)	±1 dB
Channel separation	55 dB
Subwoofer frequency response (-6 dB)	7 Hz-200 Hz

Digital Input	(OPTICAL)	2
	(COAXIAL)	2

■ **FM TUNER SECTION**

Frequency range	87.50-108.00 MHz
Sensitivity	
S/N 30 dB	1.5 μV/75 Ω
S/N 26 dB	1.3 μV/75 Ω
S/N 20 dB	1.2 μV/75 Ω
IHF usable sensitivity (IHF '58)	1.5 μV/75 Ω
IHF 46 dB stereo quieting sensitivity	22 μV/75 Ω
Total harmonic distortion	
MONO	0.2%
STEREO	0.3%
S/N	
MONO	60 dB
STEREO	58 dB
Frequency response	
20 Hz-15 kHz	+1 dB, -2 dB
Alternate channel selectivity	
±400 kHz	65 dB
Capture ratio	1.5 dB
Image rejection at 98 MHz	40 dB
IF rejection at 98 MHz	70 dB
Spurious response rejection at 98 MHz	70 dB
AM suppression	50 dB

Stereo separation	
1 kHz	**40 dB**
Carrier leak	
19 kHz	**-30 dB**
38 kHz	**-50 dB**
Channel balance (250 Hz-6.3 kHz)	**±1.5dB**
Limiting point	**1.2 μV**
Bandwidth	
IF amplifier	**180 kHz**
FM demodulator	**1000 kHz**
Antenna terminal	**75 Ω (unbalanced)**

■ **AM TUNER SECTION**

Frequency range	**522-1611 kHz / (9 kHz step)** **530-1620 kHz / (10 kHz step)**
Sensitivity	**20 μV, 330 μV/m**
Selectivity (at 999 kHz)	**55 dB**
IF rejection (at 999 kHz)	**50 dB**

■ **VIDEO SECTION**

Output voltage at 1 V input (unbalanced)	**1±0.1 Vp-p**
Maximum input voltage	**1.5 Vp-p**
Input/output impedance	**75 Ω (unbalanced)**
S-Video	
Input	**TV, DVD, DVD RECORDER**
Output	**TV MONITOR**
Component Video	
Input	**TV, DVD, DVD RECORDER**
Output	**TV MONITOR**

■ **GENERAL**

Power supply	**AC 230-240 V, 50 Hz**
Power consumption	**135 W**
Dimensions (W × H × D)	**430 mm × 107.5 mm × 394 mm**
Mass	**4.6 kg**

Power consumption in standby mode:	0.3 W

Notes:

1. **Specifications are subject to change without notice. Mass and dimensions are approximate.**
2. **Total harmonic distortion is measured by the digital spectrum analyzer.**

© 2005 Matsushita Electric Industrial Co. Ltd.. All rights reserved.
Unauthorized copying and distribution is a violation of law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

1. SAFETY PRECAUTIONS

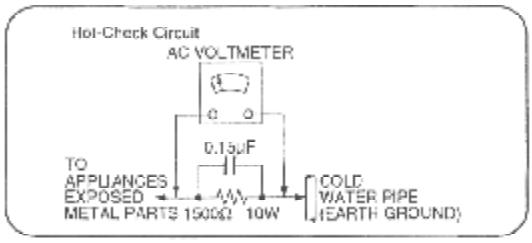
1.1. GENERAL GUIDELINES

1. When servicing. observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1MΩ and 5.2Ω. / When the exposed metal does not have a return path to the chassis, the reading must be ∞.

Fig. 1



1.1.2. LEAKAGE CURRENT HOT CHECK (See Figure 1.)

1. **Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.**
2. **Connect a 1.5k Ω , 10 watts resistor, in parallel with a 0.15 μ F capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.**
3. **Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.**
4. **Check each exposed metallic part, and measure the voltage at each point.**
5. **Reverse the AC plug in the AC outlet and repeat each of the above measurements.**
6. **The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/ 2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.**

2. Caution for AC Mains Lead

(For "EB" area code model only.)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BS 1362.

Check for the ASTA mark Ⓐ or the BSI mark ⓚ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OFF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT
The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use
Remove the connector cover.

How to replace the fuse
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

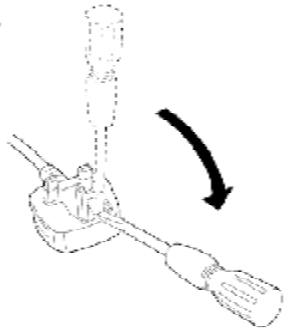
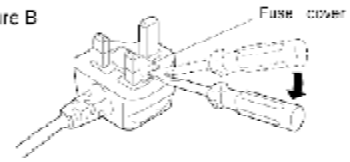


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

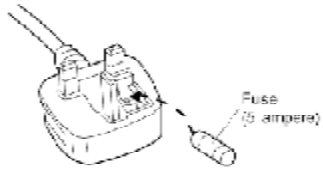
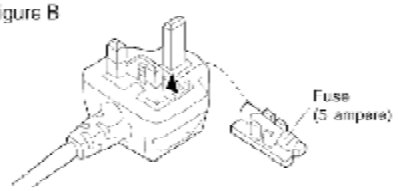


Figure B



3. Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors C707, C717, C718 and C924 through a 10 Ω, 10 W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.
After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

- Current consumption at AC 230-240 V, 50 Hz in NO SIGNAL mode should be ~400 mA.

4. Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.

- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are
“shorted”, or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.
If this occurs, follow the procedure outlines below:

1. Turn off the power.

2. Determine the cause of the problem and correct it.

3. Turn on the power once again after one minute.

Note :
When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

5. Handling the Lead-free Solder

5.1. About lead free solder (PbF)

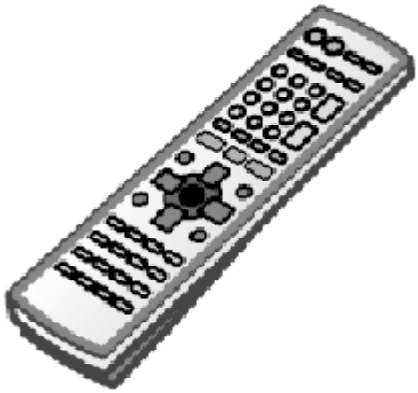
Distinction of PbF P.C.B.:
P.C.B.s (manufactured) using lead free solder will have a PbF stamp on the P.C.B.
Caution:

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a high temperature soldering iron. In case of soldering iron with temperature control, please set it to 700 ± 20°F (370 ± 10°C).
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C).
- When soldering or unsoldering, please completely remove all of the solder on the pins or solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.

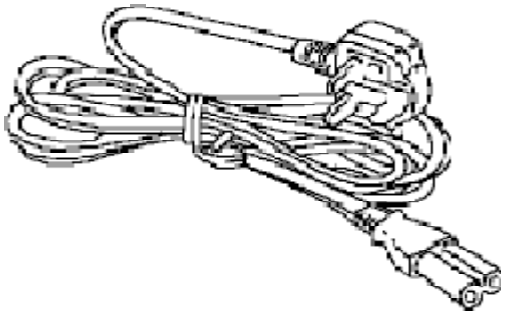
6. Accessories

Note : Refer to Packaging Materials & Accessories Part List (Section 18.3) for part number.

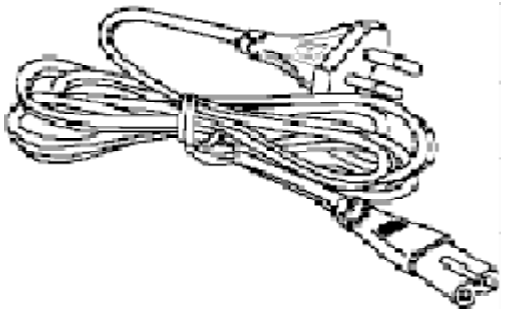
Remote control



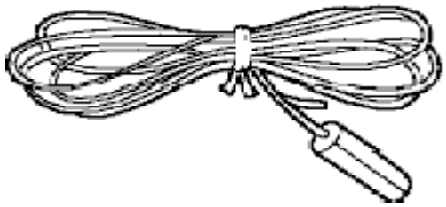
AC cord (For EB only)



AC cord (For E/EG only)



FM indoor antenna



AM loop antenna

Main unit

[Standby/on switch ⏻/I]
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

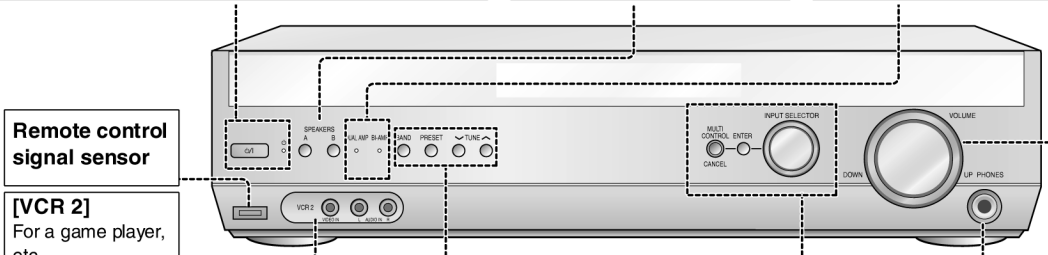
Standby indicator [⏻]
When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.

[SPEAKERS, A, B]
For selecting speakers A or B. Turning the speakers off automatically engages the STEREO/2CH MIX mode (when listening through headphones, for example).

[DUAL AMP]
Lights when the DUAL AMP function is activated.

[BI-AMP]
Lights when the BI-AMP function is activated.

[VOLUME]
Volume control.



Remote control signal sensor

[VCR 2]
For a game player, etc.

[BAND]
For switching between FM and AM.

[PRESET]
Press to allow preset station selection with [∨ TUNE ∧].

[∨ TUNE ∧]
For tuning the radio and selecting preset stations.
Press and hold until the frequency starts scrolling to start automatic tuning. Tuning stops when a station is found.

[MULTI CONTROL, CANCEL]
Press to enter Multi control or cancel.

[ENTER]
Enters setting in Multi control.

[INPUT SELECTOR]
For selecting input.
Selects each setting in Multi control.

[PHONES]
Headphone jack.
Plug type: 6.3 mm stereo
Avoid listening for prolonged periods of time to prevent hearing damage.
Turn the speakers off when using the headphones.

Display indicators

[RE-MASTER]
Lights when the multi-source re-master function is on.

[MULTI CONTROL]
When you press the [MULTI CONTROL, CANCEL] button and enter the settings the indicator lights.

[SLEEP]
Sleep timer indicator.

[TUNED]
A station is tuned.

[ST]
A stereo FM broadcast is tuned.

[MONO]
Lights when using the monaural mode.

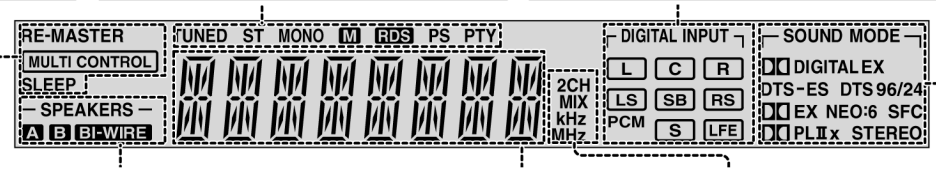
[M]
Flashes during automatic presetting.

[RDS , PS, PTY]
RDS : Lights while RDS signals are being received.
PS, PTY: Indicates the current RDS display mode.

[DIGITAL INPUT]
- The channels contained in the digital input signal light.
- No sound is output from a channel if the speaker is set to "_" (not connected) in "Speakers combination settings" even if the channel indicator lights.

L:	Front left channel	**C:**	Center channel
R:	Front right channel	**LS:**	Surround left channel
SB:	Surround back channel	**RS:**	Surround right channel
S:	If the surround channel is monaural		
LFE (Low Frequency Effects):	Deep-bass effect.		

[PCM]
Lights when the PCM FIX mode is set.



[–SPEAKERS– A , B , BI-WIRE]
Speaker indicators.

A:	Sound is output from speakers connected to the front A, surround, and center terminals.
B:	Sound is output only from speakers connected to the front B terminals.
A, B:	Sound is output from speakers connected to the front A, B, surround, and center terminals.
A, B, BI-WIRE:	Sound is output from speakers connected by Bi-wiring.

General display
Shows the input mode, radio frequency, and other general information.

[2CH MIX]
Lights when playing a multi-channel source in 2CH MIX mode.

[kHz, MHz]
Frequency unit indicators.
kHz: AM, or PCM sampling frequency
MHz: FM

[SOUND MODE]
The following light to indicate the source's input signal (multi-channel digital signal) and the decoding format used. (➡below)

SOUND MODE

DIGITAL :	Dolby Digital decoder is being used.	**PL IIx :**	Dolby Pro Logic IIx decoder is being used.
DIGITAL EX :	Dolby Digital Surround EX decoder (Dolby Pro Logic IIx decoder) is being used when the input signal is Dolby Digital 5.1-channel or Dolby Digital Surround EX.	**PL II :**	Dolby Pro Logic II decoder is being used.
EX :	Dolby Digital Surround EX decoder (Dolby Pro Logic IIx decoder) is being used when the input signal is DTS.	**NEO:6 :**	DTS NEO:6 matrix decoder is being used.
DTS-ES :	DTS-ES discrete or matrix decoder is being used.	**SFC :**	SFC matrix function is being used.
DTS :	DTS decoder is being used.		
DTS 96/24 :	DTS 96/24 decoder is being used.		
STEREO :	2-channel stereo decoder is being used.		

- **DIGITAL EX** and **EX** are displayed only when "***1 SPKR***" is selected in "Surround back speaker settings".
- **PL II** is displayed when using Dolby Pro Logic IIx with stereo (2-channel) sources and "***SB***" is set to "_" in "Speakers combination settings".

Remote control

Buttons not explained on this page are used only to operate other equipment.

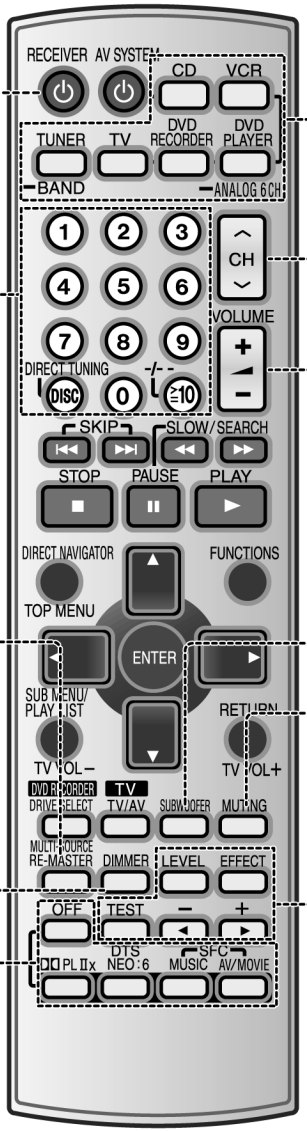
[⏻, RECEIVER]
Standby/on button.

[1, 2, 3, 4, 5, 6, 7, 8, 9, 0]
To enter radio frequencies and channels.
[DISC, DIRECT TUNING]
To enable selection of radio stations by frequency.
[≧10, –/– –]
To enter two digit channels.

[MULTI-SOURCE RE-MASTER]
For selecting a re-master mode.

[DIMMER]
For dimming the unit's display.

[PL IIx]
Select MOVIE (DOLBY EX), MUSIC or GAME when Dolby Pro Logic IIx mode or Dolby Pro Logic II mode is on.
[DTS NEO:6]
For selecting a DTS NEO:6 mode:
CINEMA or MUSIC.
[SFC, MUSIC]
For selecting a SFC modes:
LIVE, POP/ROCK, VOCAL, JAZZ or DANCE.
[SFC, AV/MOVIE]
For selecting a SFC modes:
DRAMA, ACTION, SPORTS, MUSICAL or GAME.
[OFF]
To cancel surround effects.



[CD, VCR, TUNER –BAND, TV, DVD RECORDER, DVD PLAYER –ANALOG 6CH]
Input mode and remote control mode buttons.

[∧, CH, ∨]
For selecting preset radio channels.

[+, –, VOLUME]
To adjust the volume.

[SUBWOOFER]
For selecting subwoofer level.

[MUTING]
To mute the volume.

[TEST]
To start the speaker test signal.
[LEVEL]
To adjust speaker level.
[EFFECT]
To adjust Dolby Pro Logic IIx, DTS NEO:6 or SFC effects.
[◀, –, ▶, +]
First select EFFECT, LEVEL or SFC, and then press [◀, –] or [▶, +] to complete the setting.

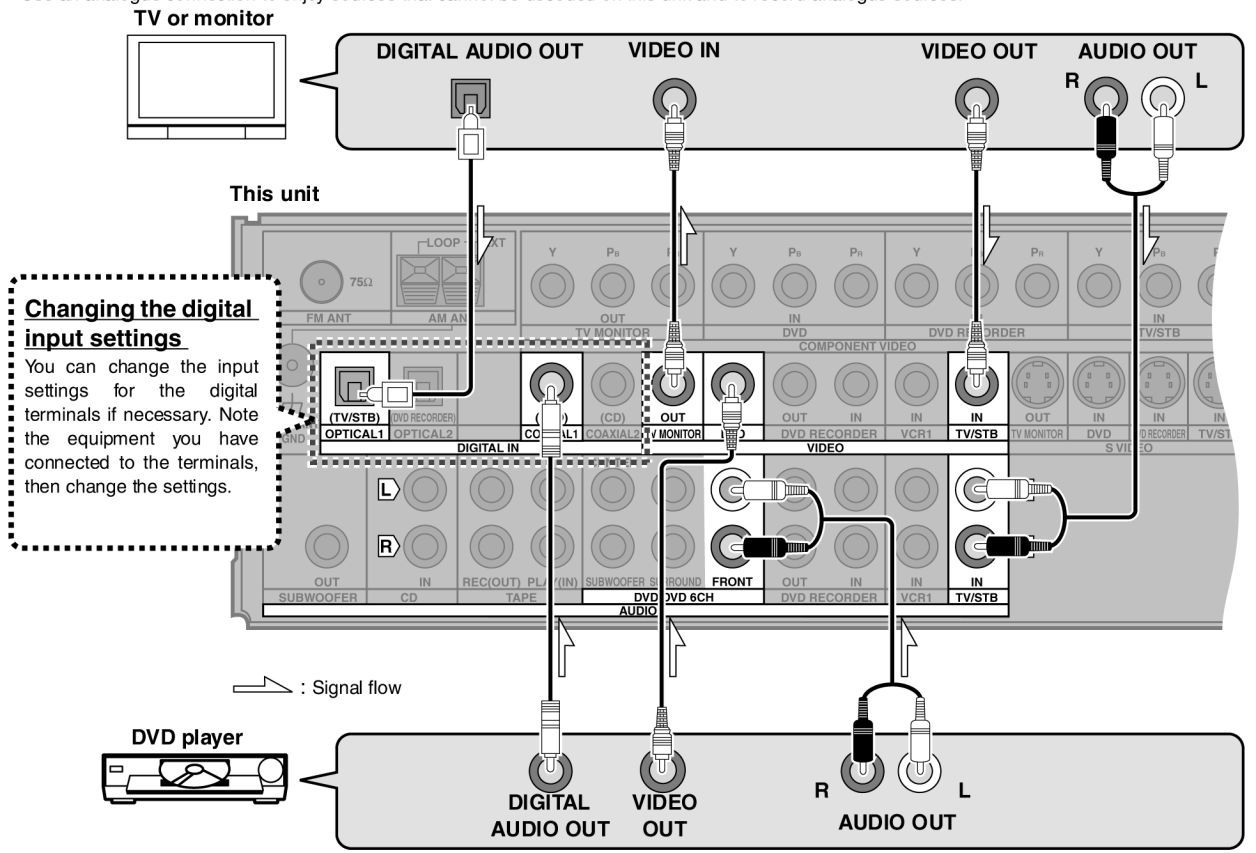
Basic connection

Preparation: Turn off all components before making any connections.

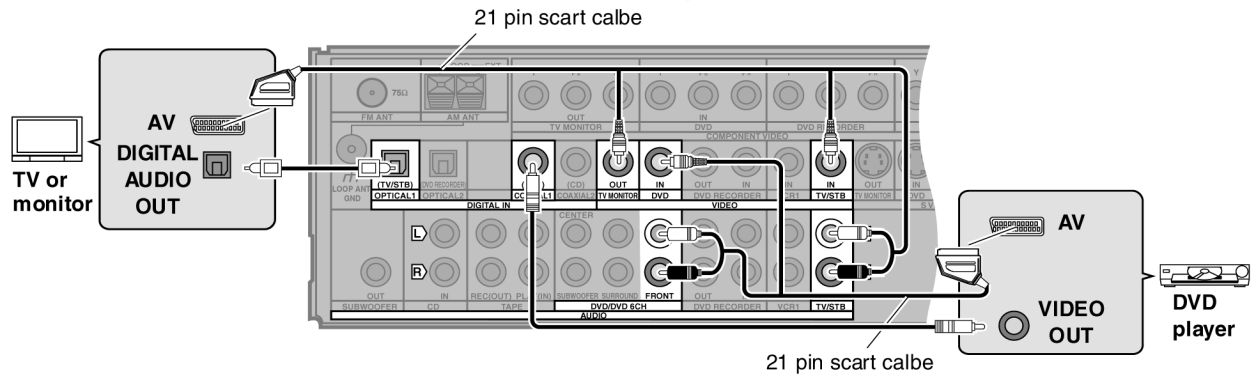
Connection cable (All cables are sold separately)

Audio cable		Video cable	
Stereo phono cable White (L) Red (R)	You can enjoy analogue sound.	**Video connection cable**	Use to connect to the TV MONITOR terminals for a standard picture.
Coaxial cable **Optical fiber cable**	You can enjoy digital sound such as Dolby Digital, DTS and PCM. • Do not sharply bend the optical fiber cable.		

• Use an analogue connection to enjoy sources that cannot be decoded on this unit and to record analogue sources.



■ Connection with 21 pin scart cable (For the United Kingdom, continental Europe)



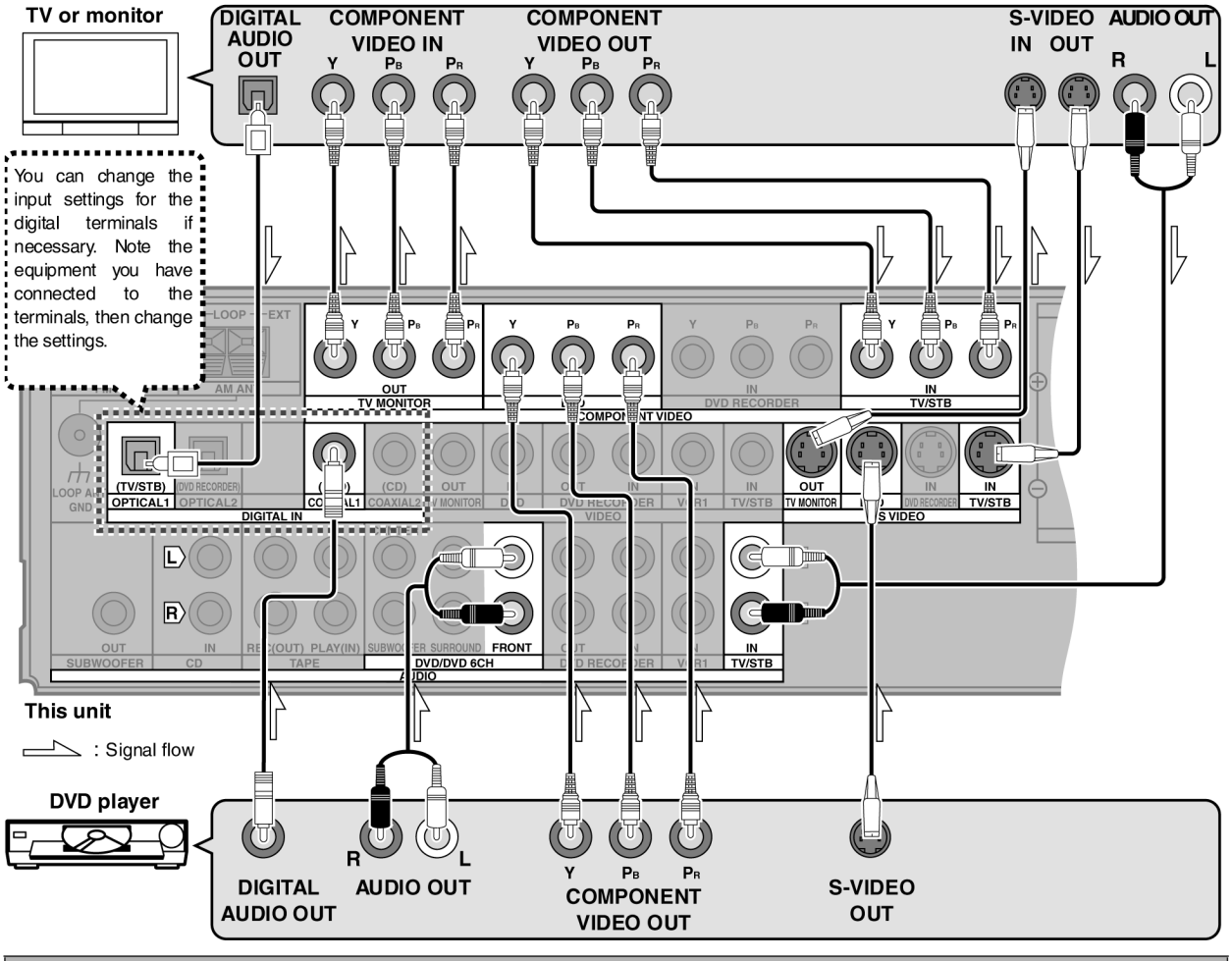
High picture quality connection

Use this connection instead of the VIDEO IN/VIDEO OUT connections on page 9. A COMPONENT VIDEO connection provides a purer picture than a S-VIDEO connection. **Select a S-VIDEO or COMPONENT VIDEO connection to match the peripheral equipment.**

Preparation: Turn off all components before making any connections.

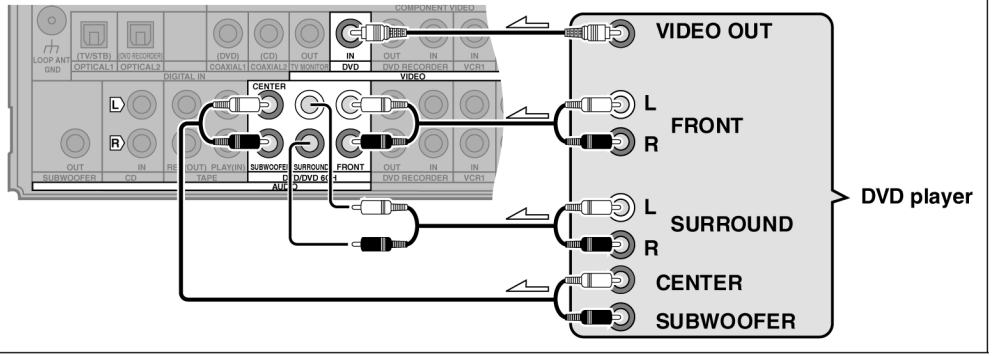
Connection cable (All cables are sold separately)

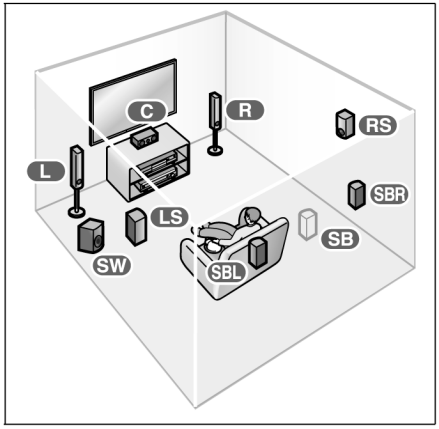
Audio cable		Video cable	
Stereo phono cable White (L) Red (R)	You can enjoy analogue sound.	**Video connection cable**	Use to connect to the TV MONITOR terminals for a standard picture. Can also be used to make a COMPONENT VIDEO connection for a higher quality picture than an S-VIDEO connection.
Coaxial cable **Optical fiber cable**	You can enjoy digital sound such as Dolby Digital, DTS and PCM. • Do not sharply bend the optical fiber cable.	**S-VIDEO connection cable**	You can enjoy a higher quality picture than with a video connection cable.



DVD ANALOG 6CH connection

You can play high fidelity sound such as DVD-Audio. You need to make additional connections for this.





L R Front speakers (L: left/R: right)

Place on the left and right of the TV at seated ear height so that there is good coherency between the picture and sound.

C Center speaker

Place underneath or above the center of the TV. Aim the speaker at the seating area.

LS RS Surround speakers (LS: left/RS: right)

Place on the side of or slightly behind the seating area, about one meter higher than ear level.

SBL SBR (SB) Surround back speakers (SBL: left/SBR: right)

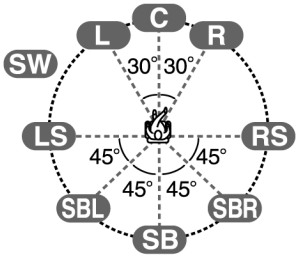
Place behind the seating area, about one meter higher than ear level.

SBL/SBR : Two surround back speakers.

SB : One surround back speaker.

SW Subwoofer

The subwoofer can be placed in any position as long as it is at a reasonable distance from the TV.



- The front, center, surround and surround back speakers should be placed at approximately the same distance from the seating position.
- The angles in the diagram are approximate.
- Set the distance of the speakers from the seating position if you cannot place them at the same distances.
- Speaker settings and placement should suit the number of speakers.

■Placement of speakers

The number of speakers	Speakers	Placement
7	2 Front speakers (Left/Right), 1 Center speaker, 2 Surround speakers (Left/Right), 2 Surround back speakers (Left/Right)	
6	2 Front speakers (Left/Right), 1 Center speaker, 2 Surround speakers (Left/Right), 1 Surround back speaker	
	2 Front speakers (Left/Right), 2 Surround speakers (Left/Right), 2 Surround back speakers (Left/Right)	
5	2 Front speakers (Left/Right), 2 Surround speakers (Left/Right), 1 Surround back speaker	
	2 Front speakers (Left/Right), 1 Center speaker, 2 Surround speakers (Left/Right)	
4	2 Front speakers (Left/Right), 2 Surround speakers (Left/Right)	
3	2 Front speakers (Left/Right), 1 Center speaker	
2	2 Front speakers (Left/Right)	
+		
	1 Subwoofer	

Preparation: Turn off all components before making any connections.

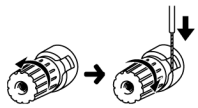
Speaker cable (All cables are sold separately)

Speaker cable

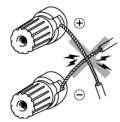
Monaural connection cable

Twist the wire

Speaker terminals



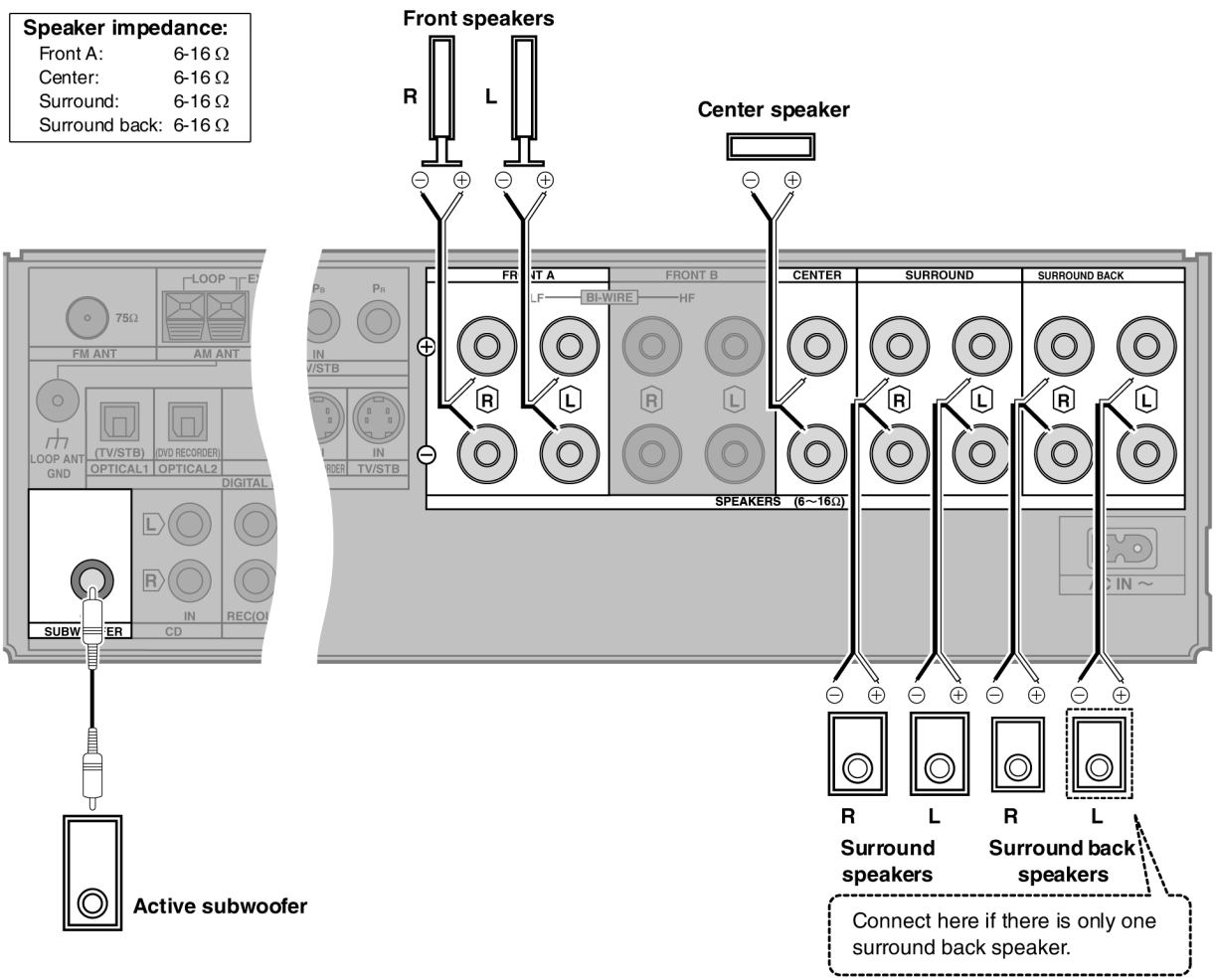
Do not short-circuit



Connect the cables so “L”, “R”, “+” and “–” are correct.

Speaker impedance:

Front A:	6-16 Ω
Center:	6-16 Ω
Surround:	6-16 Ω
Surround back:	6-16 Ω

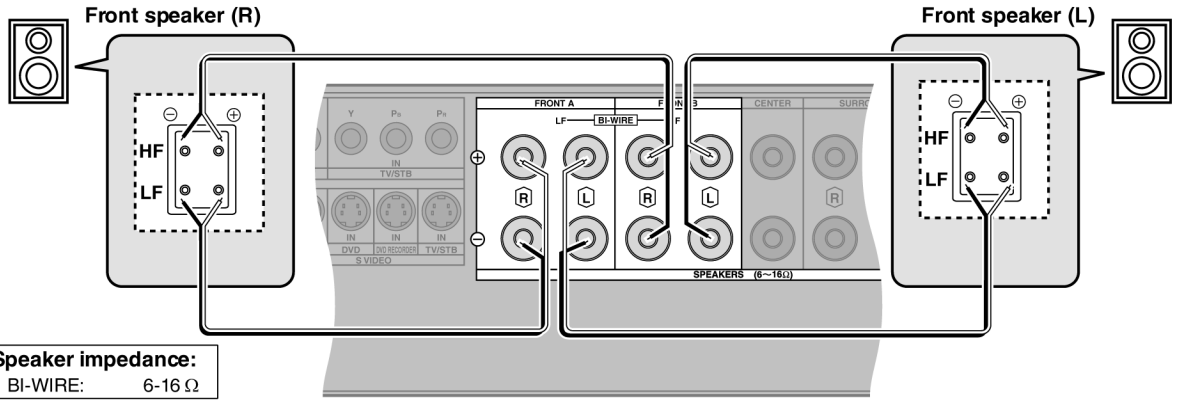


Preparation: Turn off all components before making any connections.

Bi-wiring connection

You can enjoy high quality sound by connecting to speakers designed for bi-wiring.
BI-WIRE compatible speakers have separate terminals for the high frequency and low frequency signals.
• When using a bi-wiring connection, select "***BI-WIRE***" for "Bi-wiring settings".

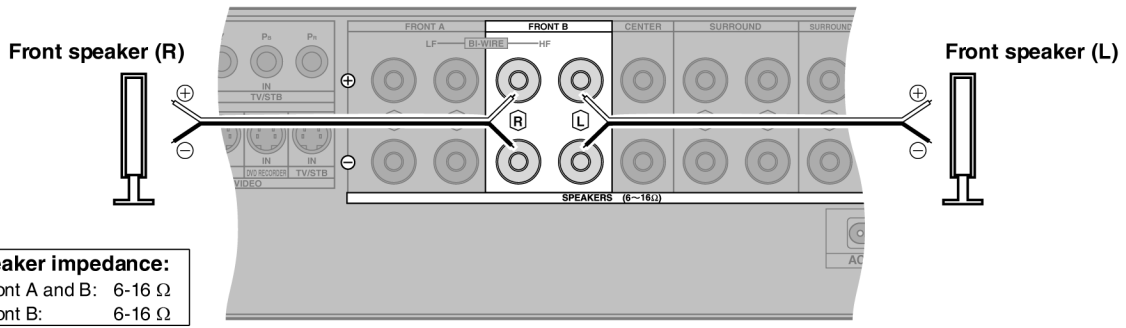
HF: High frequency
LF: Low frequency



Speaker impedance:
BI-WIRE: 6-16 Ω

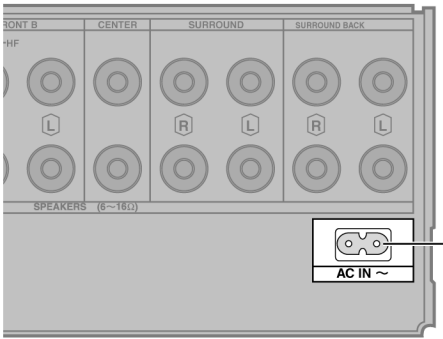
Using speaker terminal B

For connection to a second pair of speakers. Use the A terminals to enjoy multi-channel sound.
If you select SPEAKERS B only, playback is 2-channel. When a multi-channel source is played, the sounds intended for all the speakers are played through the front left and front right speakers (2CH MIX).



Speaker impedance:
Front A and B: 6-16 Ω
Front B: 6-16 Ω

FOR THE UNITED KINGDOM ONLY
READ THE CAUTION FOR THE AC MAINS LEAD ON PAGE 4 BEFORE CONNECTION.



AC mains lead (included)

To household mains socket

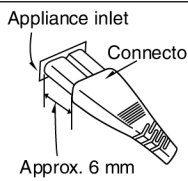
Connect this cord after all other cables and cords are connected.

Note

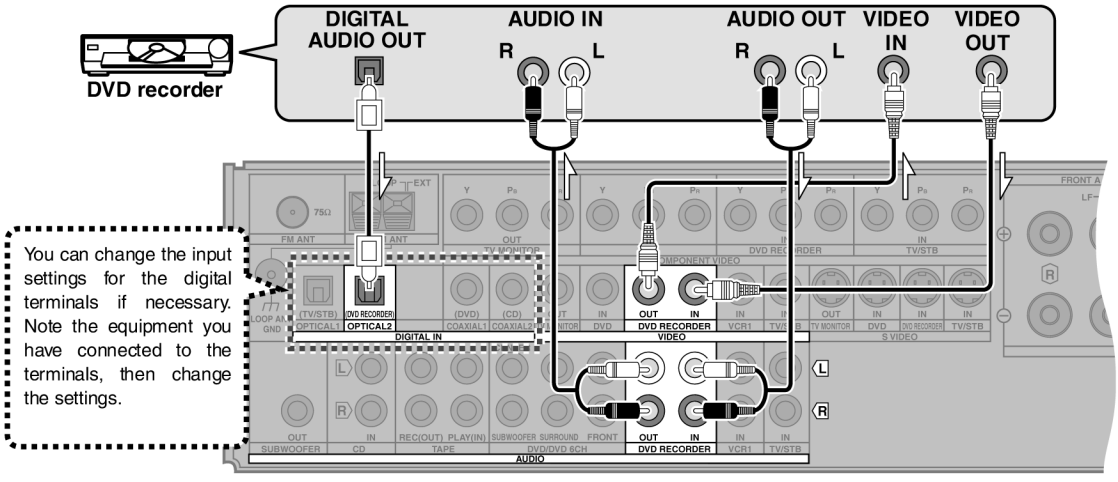
- The included AC mains lead is for use with this unit only. Do not use it with other equipment.
- Do not use AC mains lead from any other type of equipment with this unit.
- If the unit is left unplugged for longer than two weeks, all settings will revert to the factory settings. Perform the settings again if this occurs.

Insertion of connector

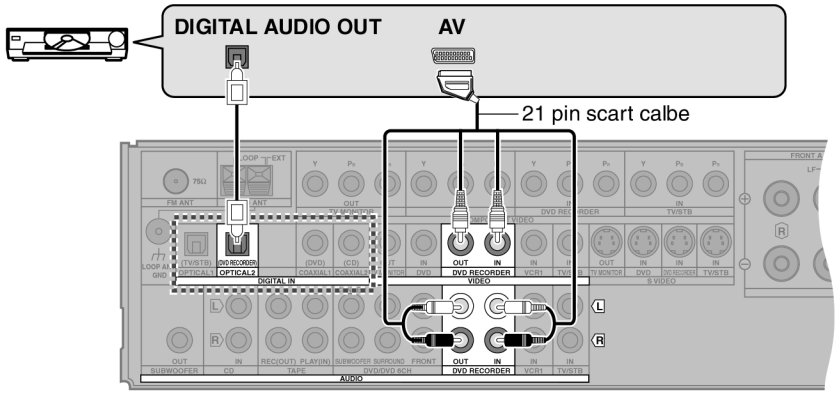
Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing.
There is however no problem using the unit.



DVD recorder



■Connection with 21 pin scart cable (For the United Kingdom and continental Europe)



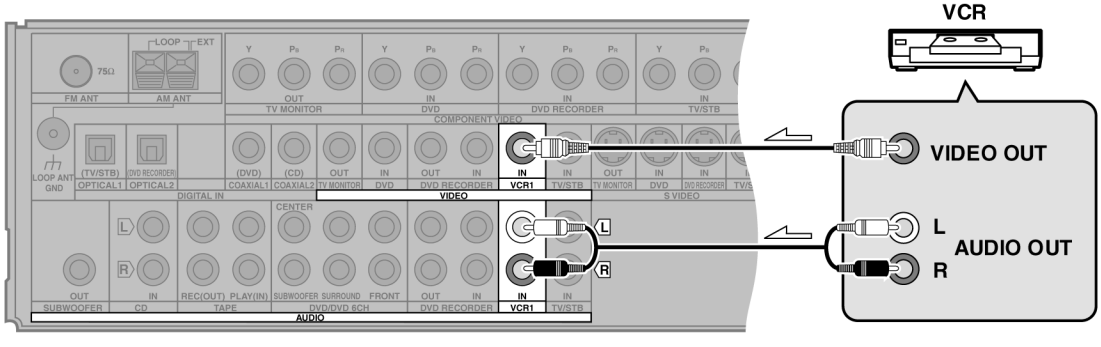
■Connection to a DVD recorder with built-in VCR:

DVD recorder with built-in VCR	This unit
DVD OUT terminals	
DIGITAL AUDIO OUT	→ OPTICAL 2 (DVD RECORDER)
VIDEO OUT	→ DVD RECORDER VIDEO IN
DVD/VHS COMMON OUT terminals	
AUDIO OUT	→ VCR1 AUDIO IN
VIDEO OUT	→ VCR1 VIDEO IN

■Connection to equipment with DVD analogue 5.1CH OUT terminals:

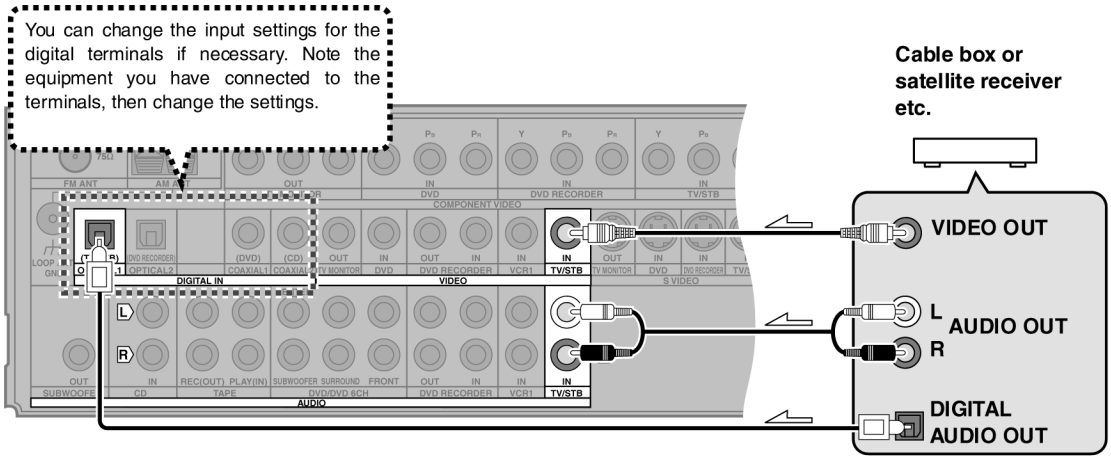
Connect as shown in “DVD ANALOG 6CH connection”, replacing the DVD player with a DVD recorder.

VCR (Playback only)



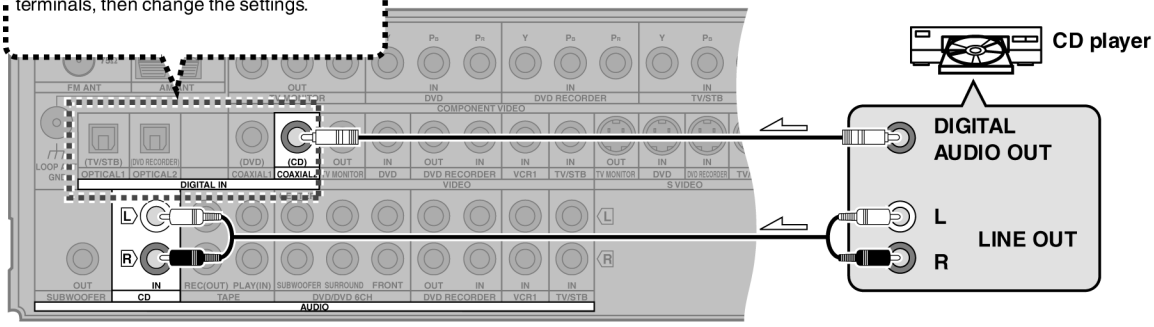
Cable box or satellite receiver etc.

You can change the input settings for the digital terminals if necessary. Note the equipment you have connected to the terminals, then change the settings.

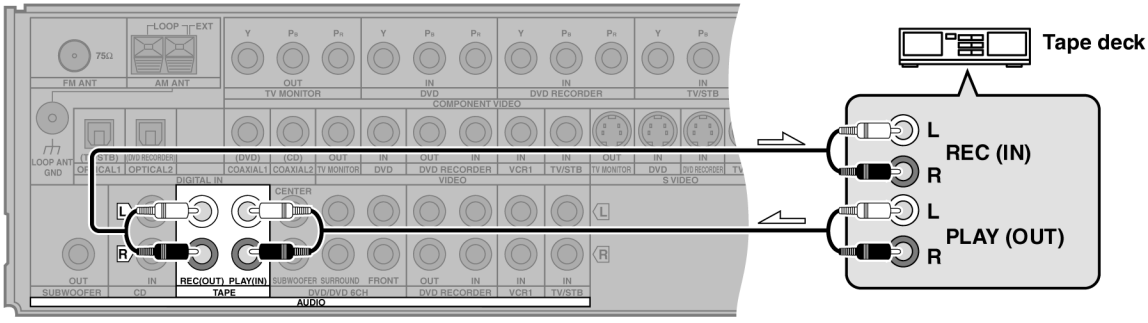


CD player

You can change the input settings for the digital terminals if necessary. Note the equipment you have connected to the terminals, then change the settings.

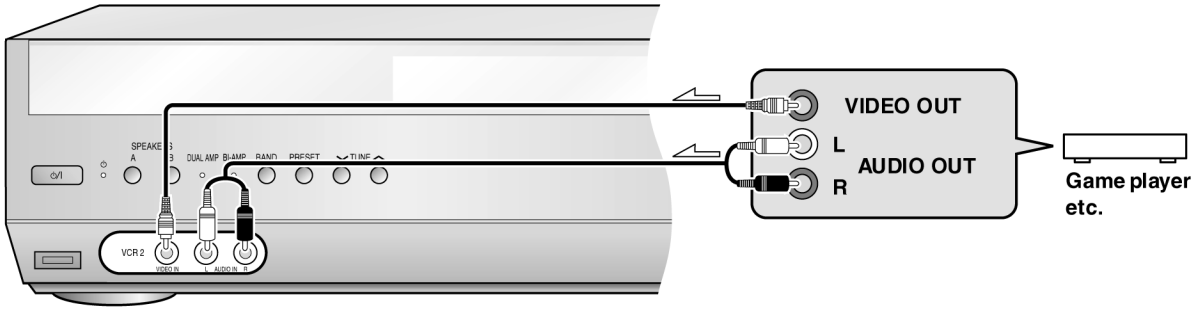


Tape deck

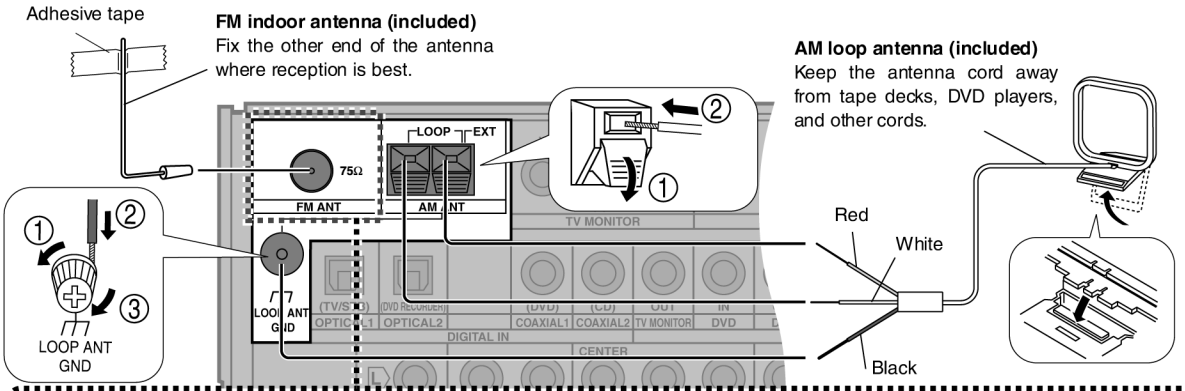


Game player etc.

These terminals are convenient for equipment you want to connect only temporarily. Select "***VCR 2***" for input.



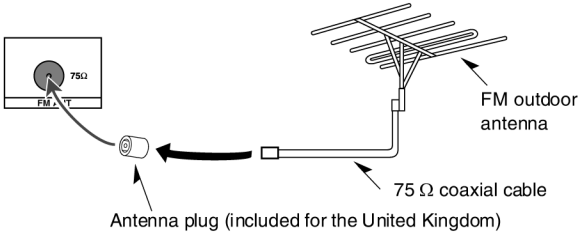
Antennas



FM outdoor antenna (not included)

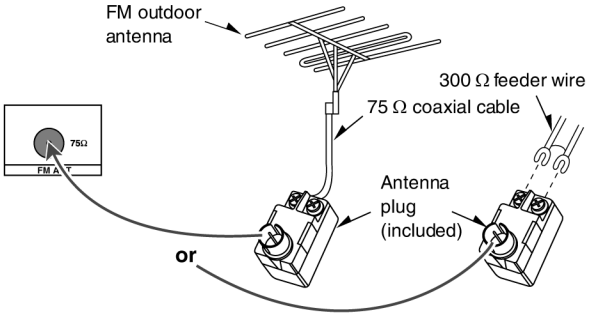
- Disconnect the FM indoor antenna.
- The antenna should be installed by a competent technician.

(For continental Europe and the United Kingdom)



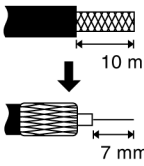
(For other areas)

Two types of wire commonly used for connection from the antenna are 300 Ω parallel feeder wire and 75 Ω coaxial cable. For best resistance to interference, use 75 Ω coaxial cable.

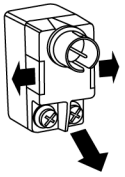


To connect a 75 Ω coaxial cable

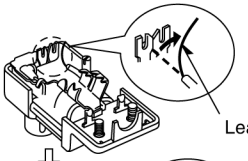
① Remove a piece of the outer vinyl insulator.

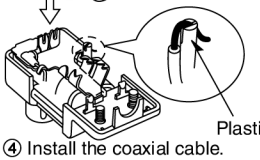


② Carefully pull the tabs apart to remove the cover.

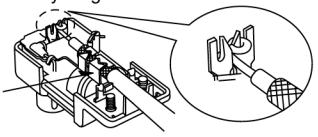


③ Remove the lead wire and clamp it with the plastic bar.





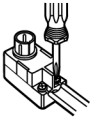
④ Install the coaxial cable.
Clamp the cable conductor, and wind it on so that it does not contact anything else.

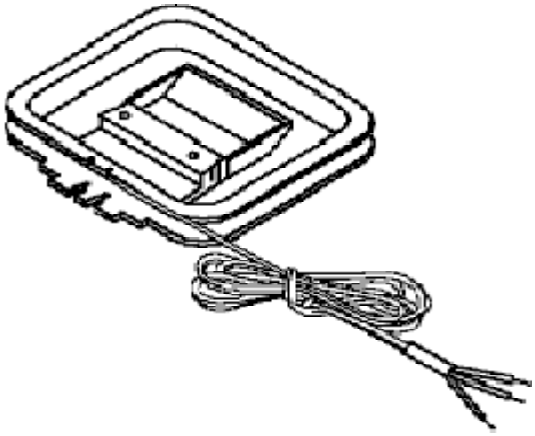


⑤ Attach the cover.

To connect a 300 Ω feeder wire

Loosen the screws, connect the wires, and tighten the screws to secure the connection.





Antenna plug adaptor (For EB only)

7. Operating Instructions

7.1. Main Unit

7.2. Remote Control

7.3. Home Theater Connections

7.3.1. TV and DVD Player

7.3.2. Speakers

7.3.3. AC Power Supply Cord

7.4. Other Connections

8. Disassembly and Main Component Replacement Procedures and Operational Check

“ATTENTION SERVICER”
Some chassis components may be have sharp edges. Be careful when disassembling and servicing.

1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse**

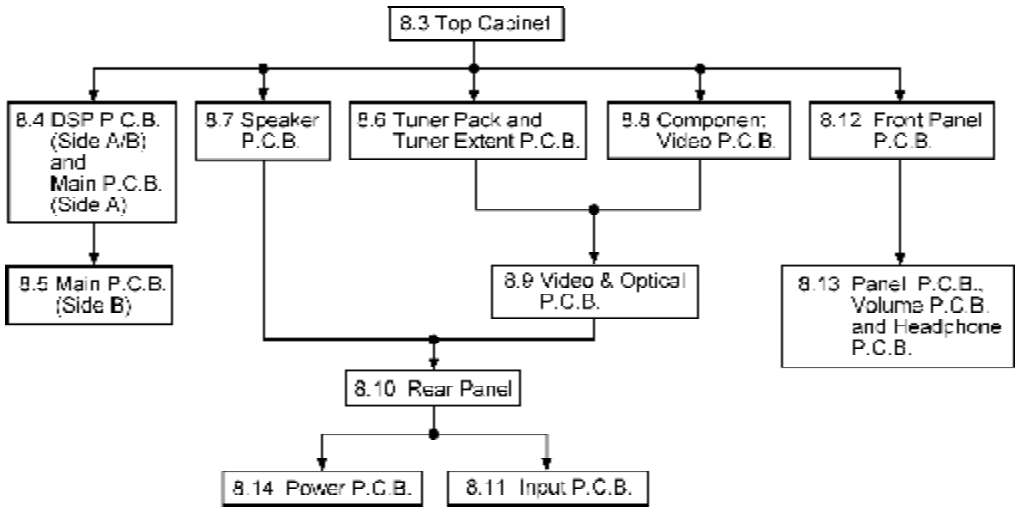
the respective procedures. / Special reassembly procedures are described only when required.

3. Select items from the following index when checks or replacement are required.

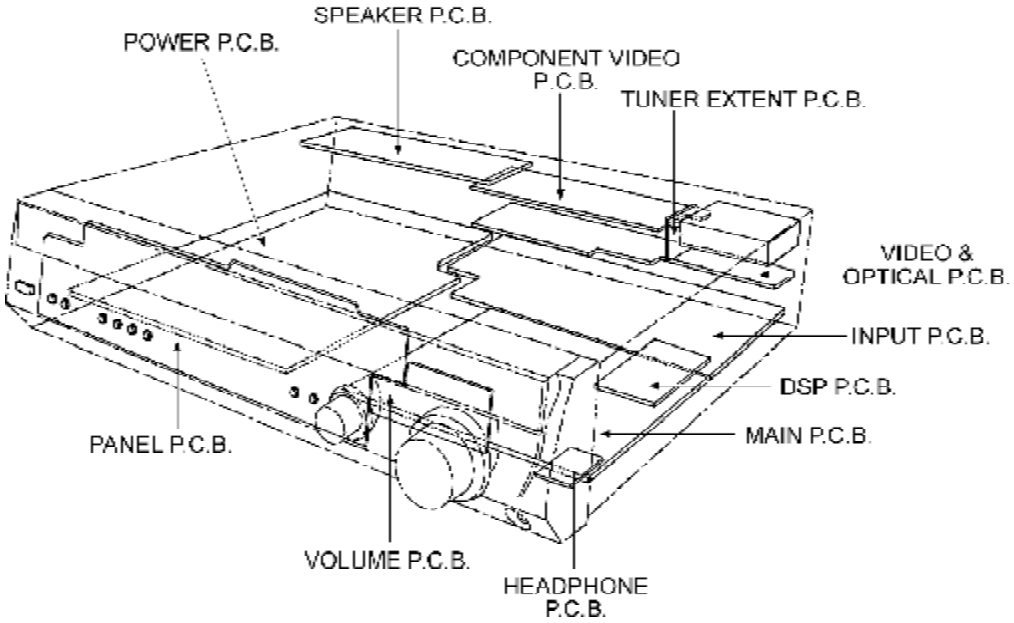
- **Disassembly of Top Panel**
- **Checking for the DSP P.C.B. (Side A/B) and Main P.C.B. (Side A)**
- **Disassembly and checking of Main P.C.B. (Side B)**
- **Disassembly of Tuner Pack and Tuner Extent P.C.B.**
- **Disassembly and Checking of Speaker P.C.B.**
- **Disassembly and Checking of Component Video P.C.B.**
- **Disassembly and Checking of Video & Optical P.C.B.**
- **Disassembly of Rear Panel**
- **Disassembly of Checking of Input P.C.B.**
- **Disassembly of Front Panel**
- **Disassembly and Checking of Panel P.C.B., Volume P.C.B. and Headphone P.C.B.**
- **Disassembly and Checking of Power P.C.B.**

8.1. Disassembly flow chart

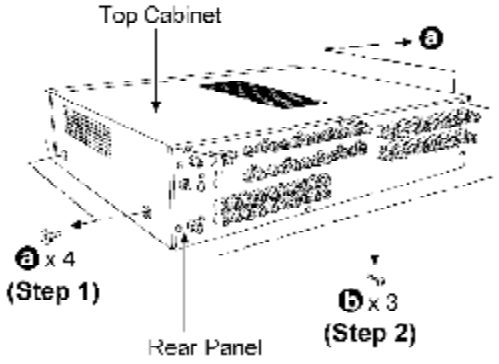
The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.
To assemble the unit, reverse the steps shown in the chart below.


8.3 Top Cabinet
8.4 DSP P.C.B. (Side A/B) and Main P.C.B. (Side A)
8.7 Speaker P.C.B.
8.6 Tuner Pack and Tuner Extent P.C.B.
8.8 Component Video P.C.B.
8.12 Front Panel P.C.B.
8.5 Main P.C.B. (Side B)
8.9 Video & Optical P.C.B.
8.13 Panel P.C.B., Volume P.C.B. and Headphone P.C.B.
8.10 Rear Panel
8.14 Power P.C.B.
8.11 Input P.C.B.

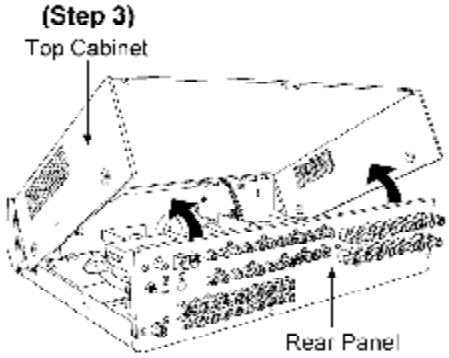
8.2. P.C.B. Positions



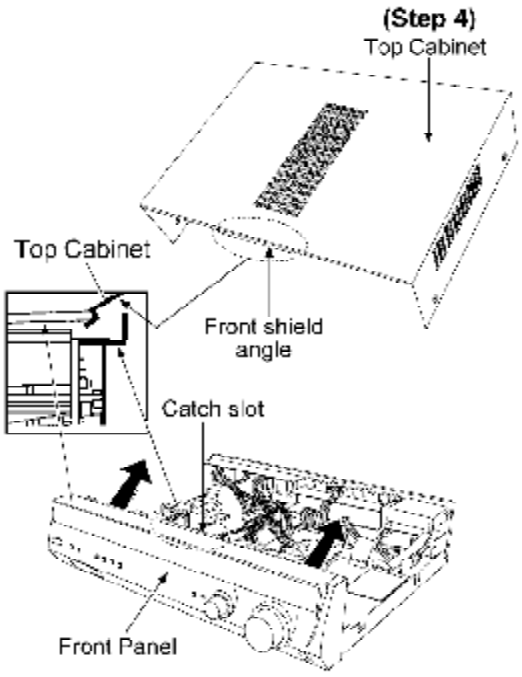
8.3. Disassembly of Top Cabinet.



Step 1 : Remove 4 screws from the top cabinet.
Step 2 : Remove 3 screws from the rear panel.



Step 3 : Lift up the top cabinet as arrow shown.

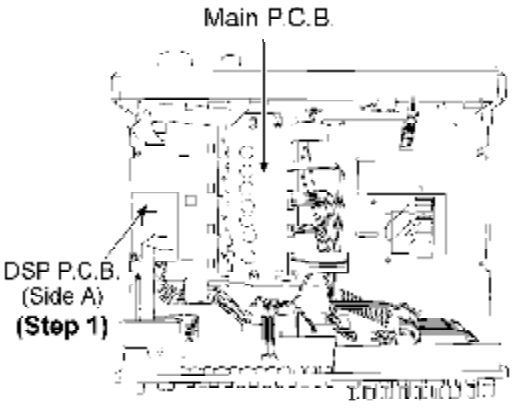


NOTE:
Be careful of the catch slot between front shield angle and front panel when removing the top cabinet from the unit.

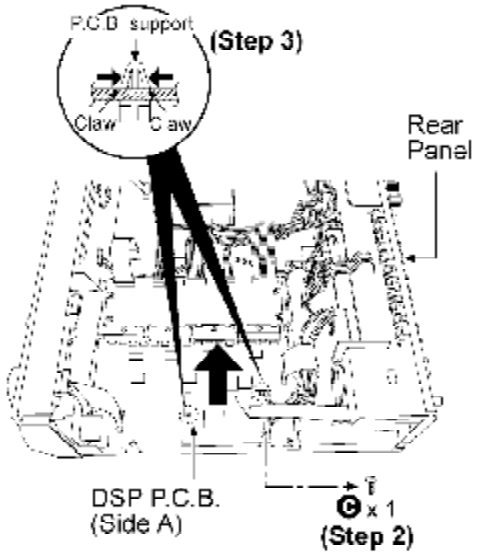
Step 4 : Remove the top cabinet.

8.4. Checking for the DSP P.C.B. (Side A/B) and Main P.C.B. (Side A).

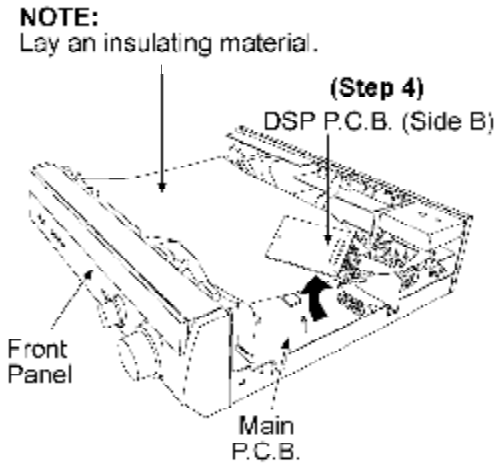
- Follow the (Step 1) - (Step 4) of item 8.3.



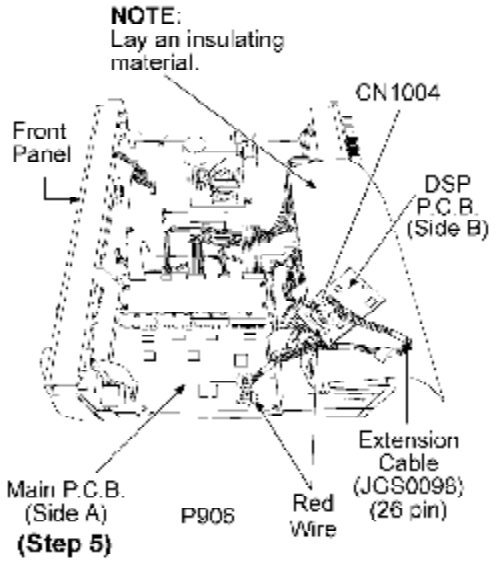
Step 1 : Check the DSP P.C.B. (Side A).



Step 2 : Remove 1 screw.
Step 3 : Release the claws of the P.C.B support then detach the DSP. P.C.B.



Step 4 : Flip over the DSP P.C.B. as arrow shown.



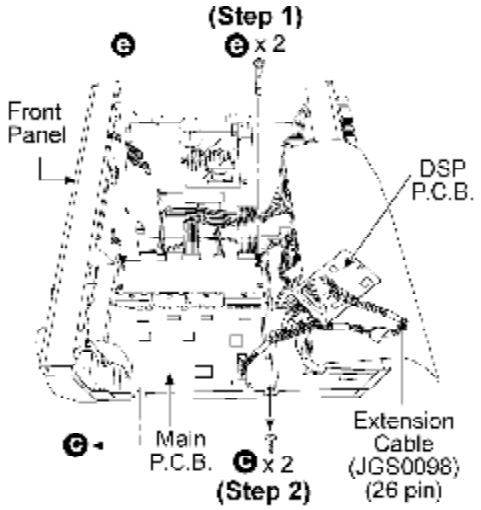
Caution:
Red wire in the extension cable connect between Main P.C.B and DSP P.C.B (Side B) should be connected to the same position as original cable.

Step 5 : Connect the DSP P.C.B. (Side B) and Main P.C.B. / (Side A) by using the extension cable then proceed with the checking.

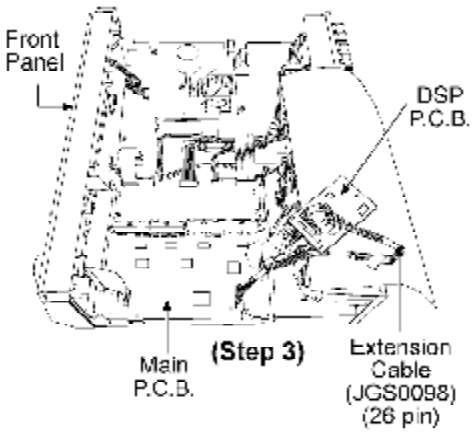
8.5. Disassembly and Checking of Main P.C.B. (Side B)

- Follow the (Step 1) - (Step 4) of item 8.3.

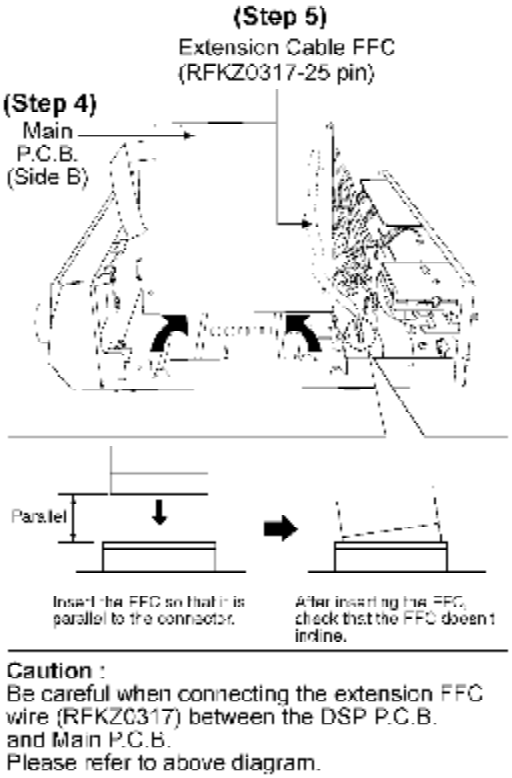
- Follow the (Step 1) - (Step 5) of item 8.4.



Steps 1 and 2 : Remove 4 screws altogether.



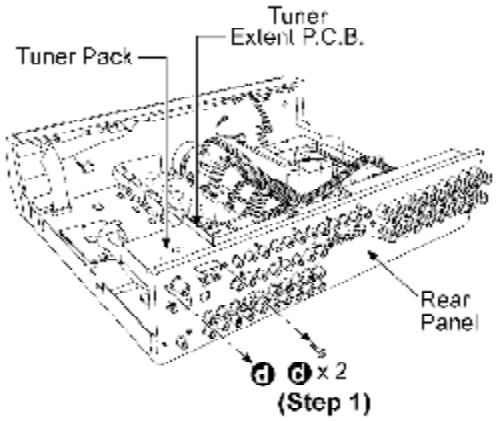
Step 3 : Detach the 25 pin FFC wire (REE1324) between / connectors P6501B (Main P.C.B.) and P6501A (Input P.C.B.)


(Step 5)
Extension Cable FFC
(RFKZ0317-25 pin)
(Step 4)
Main
P.C.B.
(Side B)
Parallel
Insert the FFC so that it is parallel to the connector.
After inserting the FFC, check that the FFC doesn't incline.
Caution :
Be careful when connecting the extension FFC wire (RFKZ0317) between the DSP P.C.B. and Main P.C.B.
Please refer to above diagram.

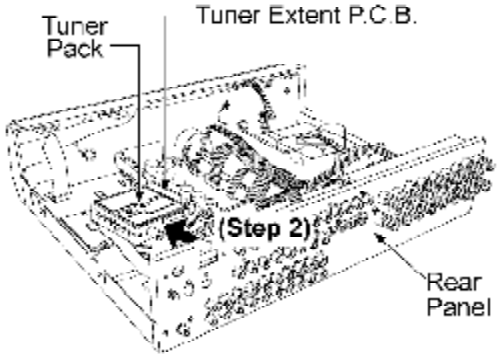
Step 4 : Flip over the Main P.C.B. as arrow shown.
Step 5 : Check the Main P.C.B (Side B) by connecting the extension cable (RFKZ0317-25 pin).

8.6. Disassembly of Tuner Pack and Tuner Extent P.C.B.

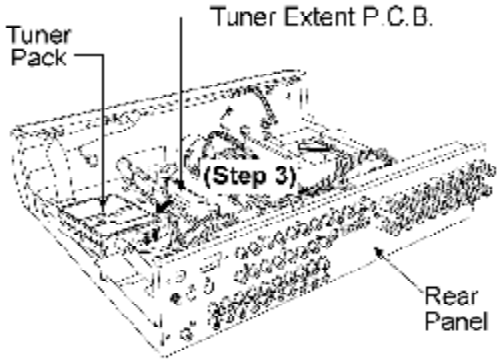
- Follow the (Step 1) - (Step 4) of item 8.3.



Step 1: Remove 2 screws.



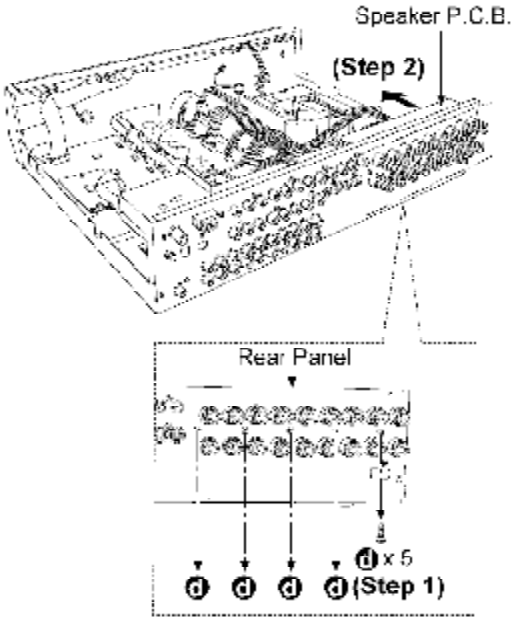
Step 2: Remove the tuner pack together with the Tuner Extent P.C.B. from the rear panel as arrow shown.



Step 3: Detach the tuner pack from the Tuner Extent P.C.B. as arrow shown.

8.7. Disassembly and Checking of Speaker P.C.B.

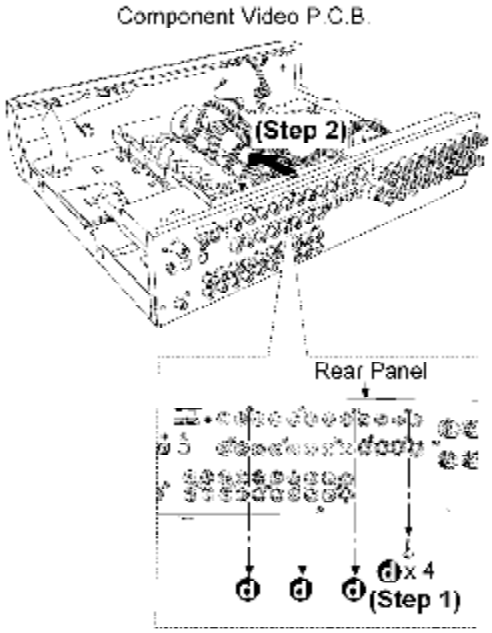
- Follow the (Step 1) - (Step 4) of item 8.3.



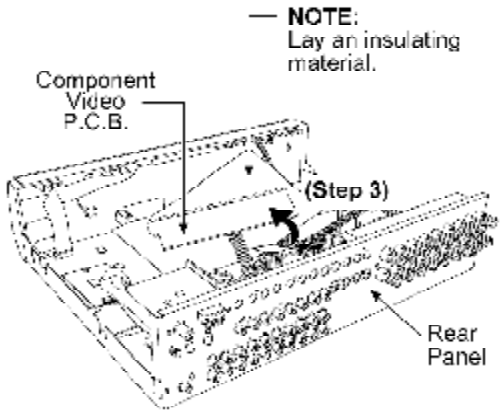
Step 1: Remove 5 screws.
Step 2: Remove the Speaker P.C.B. from rear panel as arrow shown for checking.

8.8. Disassembly and Checking of Component Video P.C.B.

- Follow the (Step 1) - (Step 4) of item 8.3.



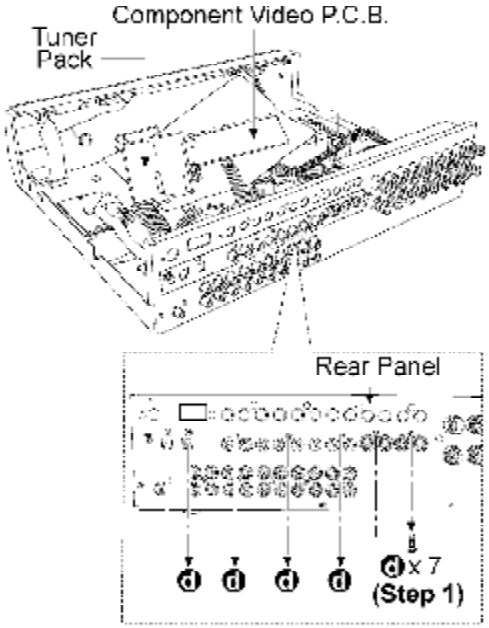
Step 1: Remove 4 screws.
Step 2: Remove the Component Video P.C.B. from rear panel as arrow shown.



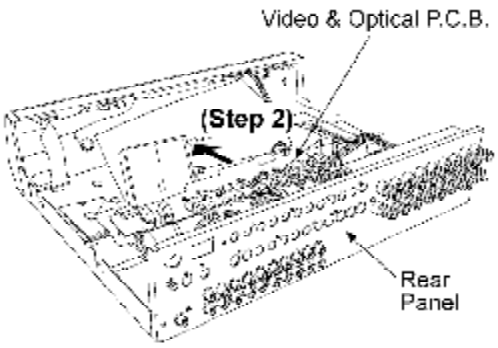
Step 3: Flip over the Component Video P.C.B. as arrow shown for checking

8.9. Disassembly and Checking of Video & Optical P.C.B.

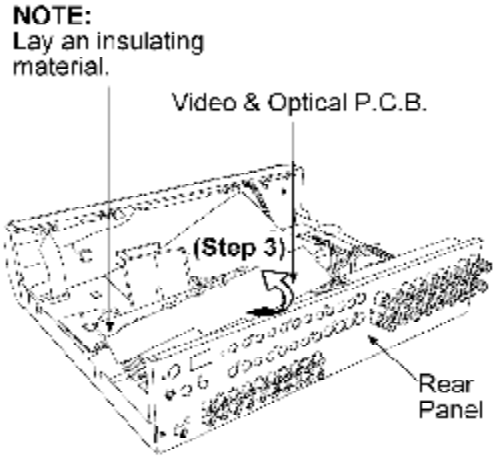
- Follow the (Step 1) - (Step 4) of item 8.3.
- Follow the (Step 1) - (Step 2) of item 8.6.
- Follow the (Step 1) - (Step 3) of item 8.8.



Step 1: Remove 7 screws.



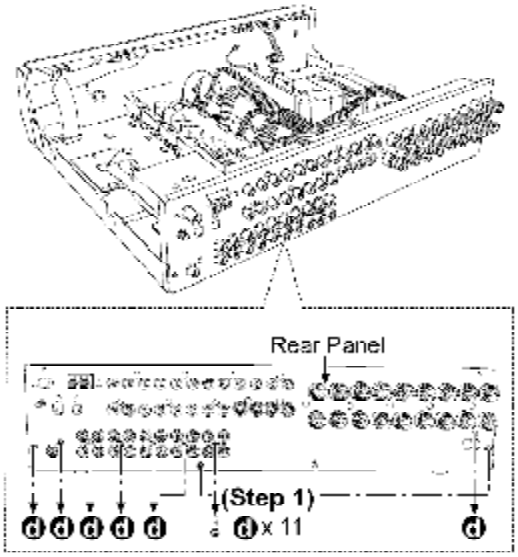
Step 2: Remove the Video & Optical P.C.B. from rear panel as arrow shown.



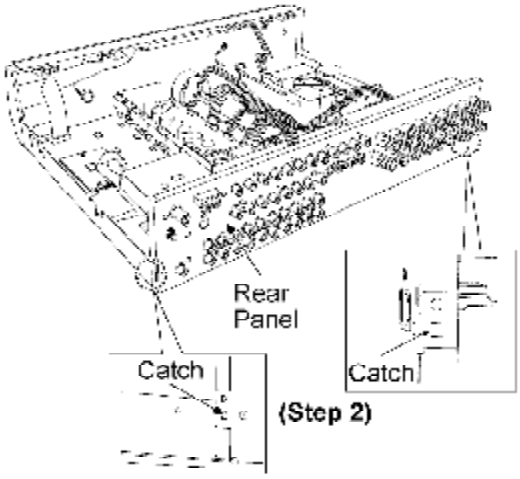
Step 3: Flip over the Video & Optical P.C.B. as arrow shown for checking

8.10. Disassembly of Rear Panel

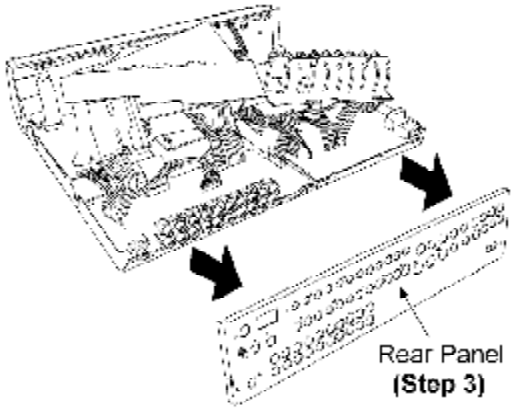
- Follow the (Step 1) - (Step 4) of item 8.3.
- Follow the (Step 1) of item 8.6.
- Follow the (Step 1) of item 8.7.
- Follow the (Step 1) of item 8.8.
- Follow the (Step 1) of item 8.9.



Step 1: Remove 11 screws.



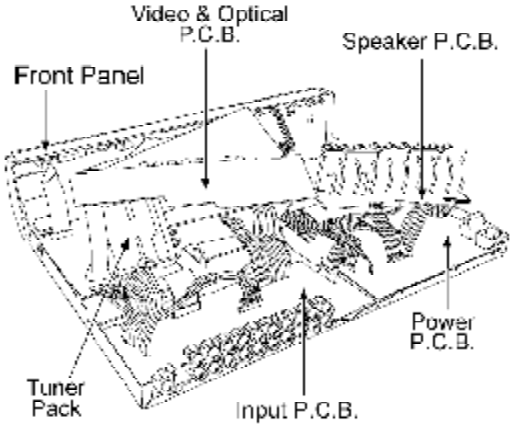
Step 2: Be careful of the both side catches when remove the rear panel.

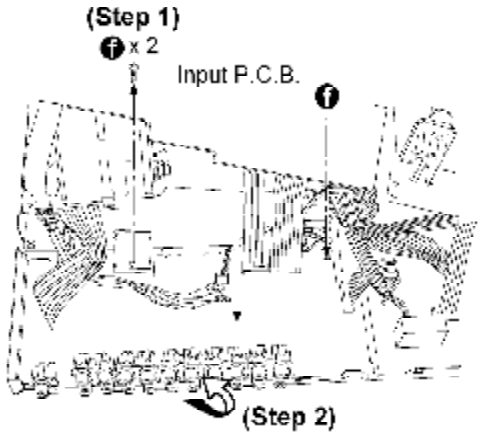


Step 3: Remove the rear panel as arrows shown.

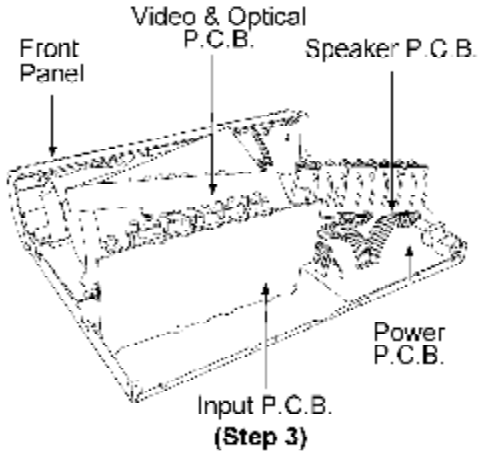
8.11. Disassembly and Checking of Input P.C.B.

- Follow the (Step 1) - (Step 4) of item 8.3.
- Follow the (Step 1) of item 8.6.
- Follow the (Step 1) of item 8.7.
- Follow the (Step 1) of item 8.8.
- Follow the (Step 1) of item 8.9.
- Follow the (Step 1) - (Step 3) of item 8.10.





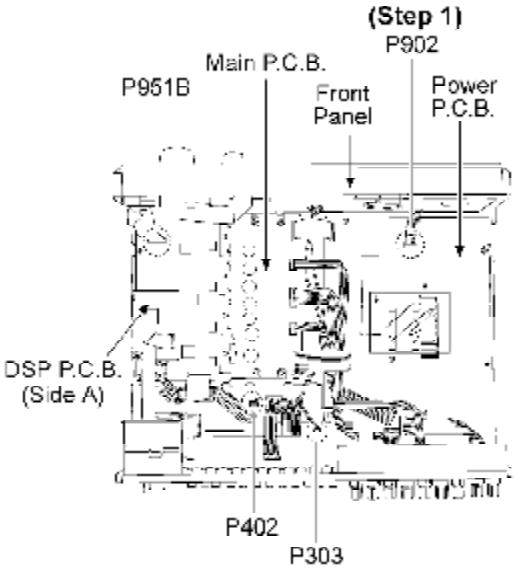
Step 1: Remove 2 screws.
Step 2: Flip over the Input P.C.B. as arrow shown .



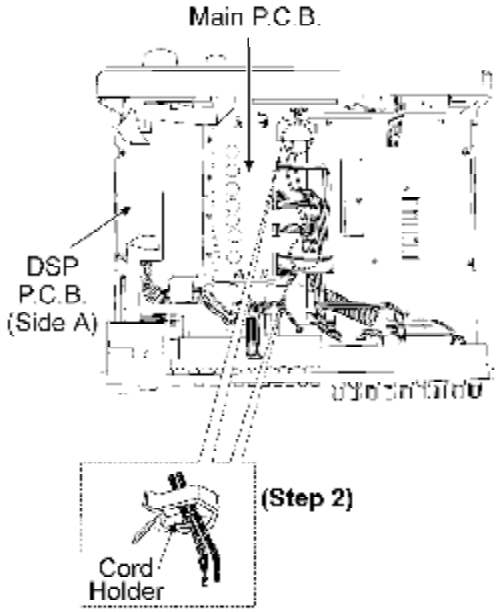
Step 3: Proceed to check the Input P.C.B.

8.12. Disassembly of Front Panel

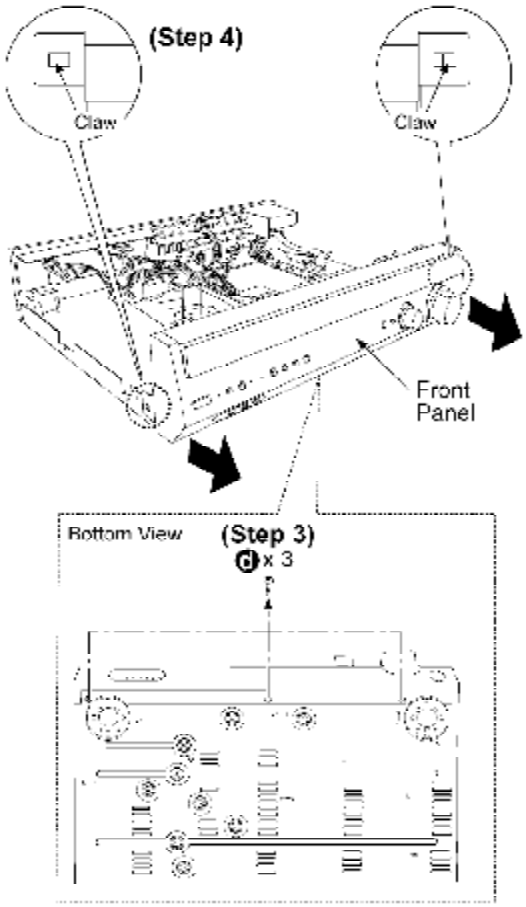
- Follow the (Step 1) - (Step 4) of item 8.3.



Step 1: Disconnect all the connectors (P951B, P902, P402, P303).



Step 2: Be careful when remove the wires from the cord holder.



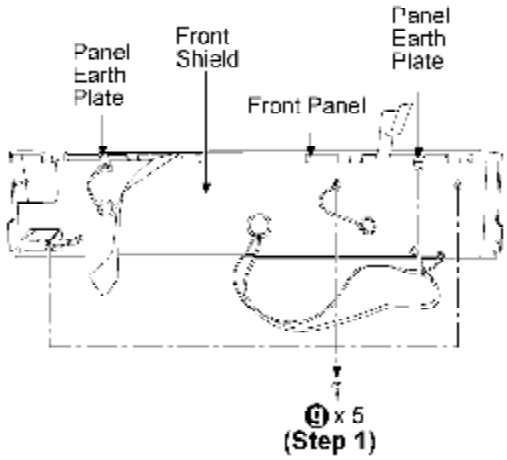
Step 3: Remove 3 screws.
Step 4: Release the both claws and remove the front panel as arrows shown.

8.13. Disassembly and Checking of Panel P.C.B., Volume P.C.B. and

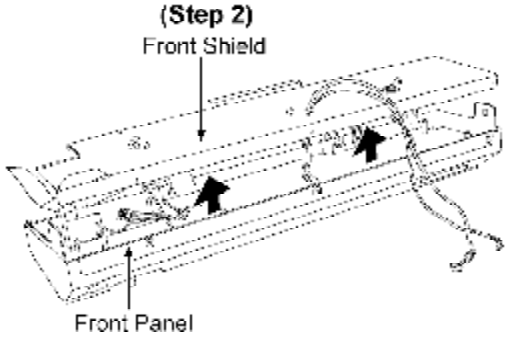
Headphone P.C.B.

- Follow the (Step 1) - (Step 4) of item 8.3.

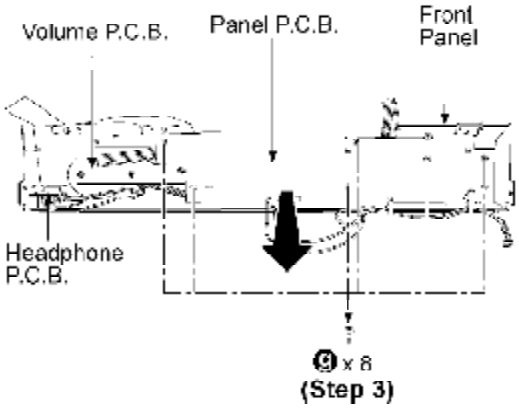
- Follow the (Step 1) - (Step 4) of item 8.12.



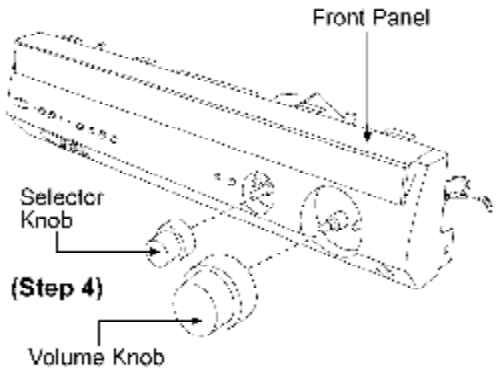
Step 1: Remove 5 screws.



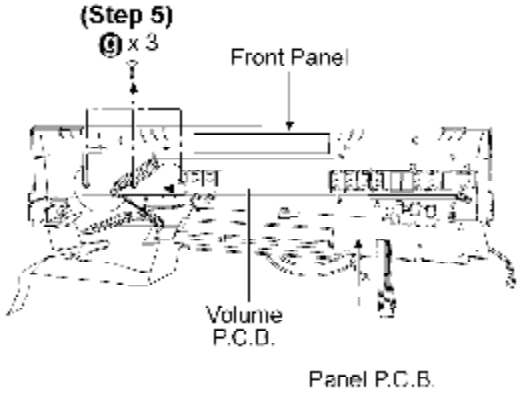
Step 2: Remove the front shield from the front panel as arrows shown



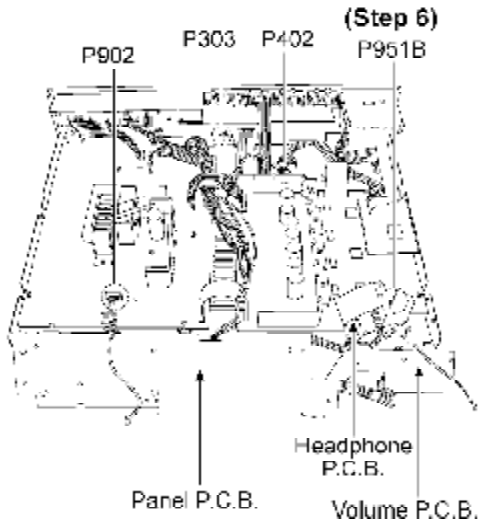
Step 3: Remove 8 screws then remove the Panel P.C.B. as arrow shown.



Step 4: Remove the Selector and Volume knobs.



Step 5: Remove 3 screws then remove the Volume P.C.B.



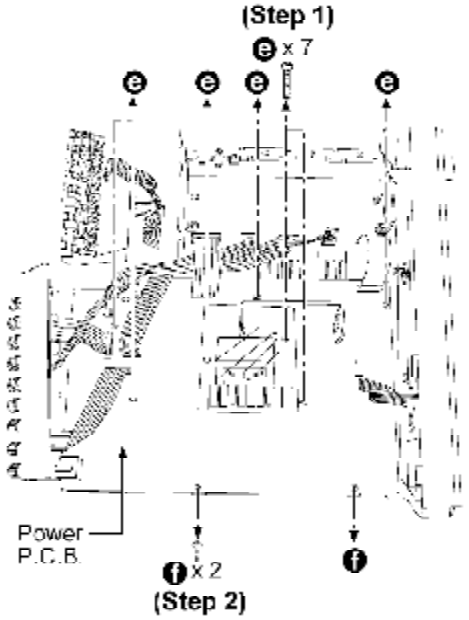
Step 6: Reconnect all the connectors and checking for Volume P.C.B., Panel P.C.B. and Headphone P.C.B.

8.14. Disassembly and Checking of Power P.C.B.

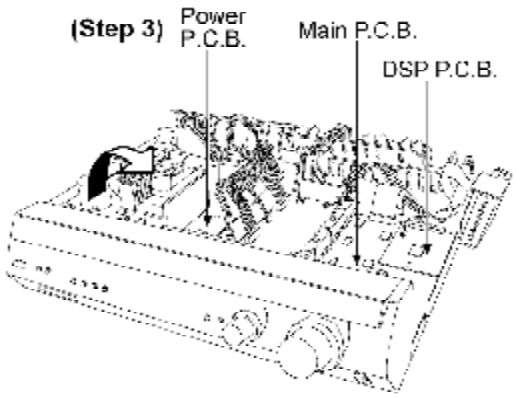
- Follow the (Step 1) - (Step 4) of item 8.3.

- Follow the (Step 1) of item 8.6.

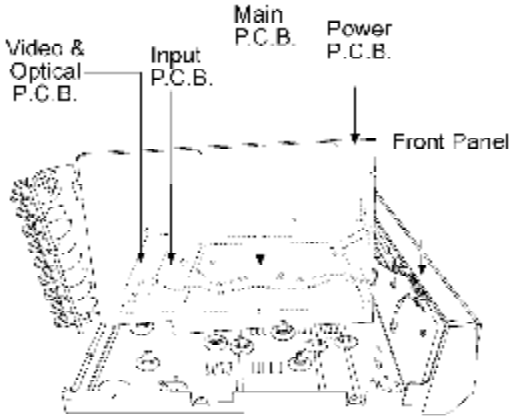
- Follow the (Step 1) of item 8.7.
- Follow the (Step 1) of item 8.8.
- Follow the (Step 1) of item 8.9.
- Follow the (Step 1) - (Step 3) of item 8.10.



Steps 1 and 2: Remove 9 screws altogether.



Step 3: Flip over the Power Supply P.C.B. as arrow shown.



Step 4: Checking for Power P.C.B.

9. Self Diagnosis Display Function

This unit is equipped with the self diagnosis display function, which alarms faulty operation with error code. Use this function during servicing.

9.1. Automatically Displayed Error Codes

An error code automatically appears on the display (LCD) when faulty operation is detected. Refer to Fig. 9.1.

Fig. 9.1

9.2. Display Details

Refer to the following table.

LCD display	Symptom	Cause and Remedy
OVERLOAD	Speaker short, amplifier failure	Speaker short and failure in power amplifier, pre-amplifier circuits. Check for faulty parts and replace with new parts if necessary.
	Humidity protection activated	
F70	Communication error between sub micro- processor and its peripheral LSI	Failure sub-micro processor and its peripherals LSI. Check for faulty parts and replace wit new parts if necessary.
F76	When the power is turned on, the unit power automatically turns off; the power cannot be turned on.	Failure in the power circuit system of the unit. This may happen when the direct curren electricity is supplied to speaker terminals. Check for the above and replace with ne parts if necessary.

9.3. Returning to Normal Display

Press the POWER button on the unit to exit the function. The power is turned off.

9.4. Overload/Shutdown Detection intenal Condition

It detects OVERLOAD, POWER MALFUNCTION with [THRM_DET], [SHORT_DET] and [DC_DET] input port. It detects the following condition depending on the input of the port as below table. (H: DC ± 5V / L: DC ± 0V)

PROT			Detection of malfunction	Display and operati
SHORT_DET	THRM_DET	DC_DET		
H	L	H	Normal	-----
L	L	H	Speaker Short, Malfunction of Amplifier	[OVERLOAD] / POWEI
L	H	H	Detection of THERMAL PROTECTION	
-	-	L	Detection of POWER MALFUNCTION	[_ _ _ F76 _ _ _] / PO OFF

9.5. Overload/Thermal Detection Display

When overload is detected, automatic POWER OFF will occur. But if any key on the remote control other than the [POWER] key is pressed before that (including the [HELP] key), the scroll display will show [SWITCH_OFF_POWER]. Then, 1 second after display of message, [OVERLOAD] will be shown on the scroll display.

9.6. Activating Self Diagnosis Function (Servicing Mode)

This mode can be used during servicing.

1. Plug the AC adapter to the power source. Press and hold down the [MULTI CONTROL] button and the [SPEAKERS A] button, and

then press the [POWER] button at the same time.

2. The message, [SERVICE] appears on the display for three seconds, and then disappears. Refer to Fig. 9.2.

Fig. 9.2

3. When the [TUNING DOWN] button is pressed, the current program filing number (ex. "M45_***" for MA123_45) appears. The *** digit indicates the ROM checksum used for ROM collection, and if the unit is not loaded with ROM, "NO" appears.
   When the TUNING UP button is pressed, the sub micro computer program filing number (ex. 523_***" for MA678_90) appears. The *** digit indicates the ROM checksum used for ROM collection, and if the unit is not loaded with ROM, "NO" appears.

9.7. Analog 6.1 CH Output Check Method

When the [SUBWOOFER] button on the remote controller, the function is switched to "Input Inspection Mode", which output analog input signals at L channel of VCR analog input to all channels.

9.8. Returning to Normal Display

Press the POWER button on the unit to exit the function. The power is turned off.

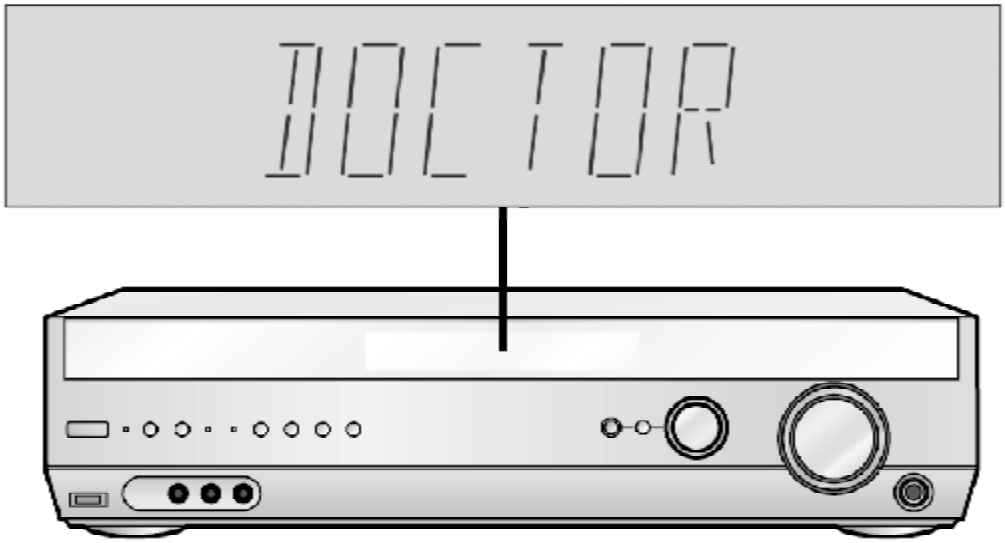
9.9. Activating Self Diagnosis Function (Doctor Mode)

This mode can be used during servicing.

1. Plug the AC adapter to the power source. Press and hold down the MULTI-SOURCE RE-MASTER button and the SPEAKERS A button, and then press the POWER button at the same time.
2. Initialize all the setting and set the frequency “99.7MHz” to Tuner.

The message, "_DOCTOR_" appears on the display for three seconds, and then disappears. Refer to Fig. 9.3.

Fig. 9.3

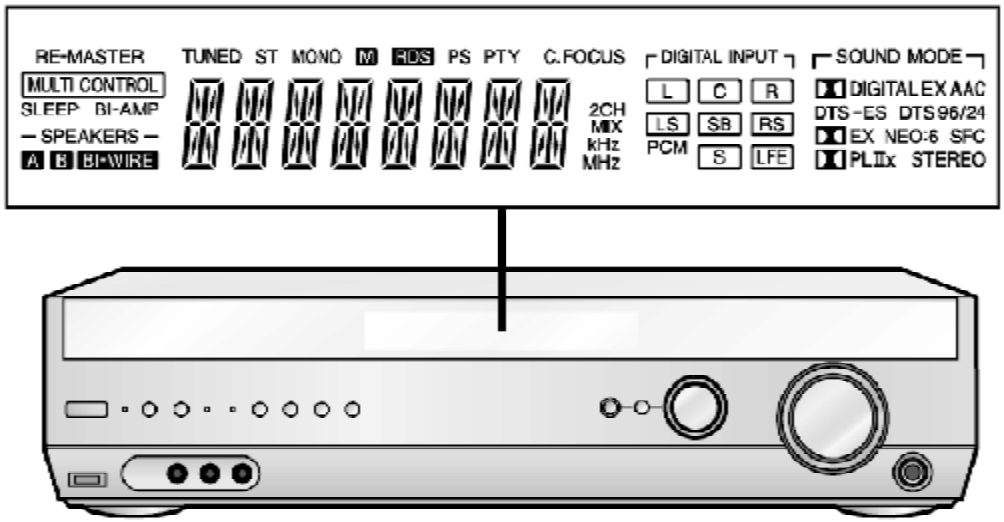


3. Doctor mode function at some remote control codes as below table.

Remote Control	Test Mode Function and settings			
	Selector	Sound Mode	other settings	Vol/Tone
CH 1	TUNER	STEREO	Frequency : FM min	-48dB/0dB
CH 2	TUNER	STEREO	Frequency : FM max	-48dB/0dB
CH 3	TUNER	STEREO	FM 98.3MHz	-18dB/0dB
CH 4	TUNER	STEREO	Frequency : AM min	-48dB/0dB
CH 5	TUNER	STEREO	Frequency : AM max	-48dB/0dB
CH 8	If the input selector is TUNER, auto tuning function is started to upward on curren frequency.			
CH 9	If the input selector is TUNER, auto tuning function is started to downward on curr frequency.			
CH 0	All indicators of FL are displayed. All LED are off. Refer to Fig. 9.4. / Note : After thi setting, only 'POWER' button or 'Checker Command' code by the remote control c be entered.			
CH UP	Check Main IP software version.			
CH DOWN	Check Sub IP software version.			
SUBWOOFER	VCR 1 (Analog)	-	All CH Output Mode	-18dB/0dB
MUTING	DVD 6CH	-	-	-18dB/0dB
PLIIx	CD	STEREO	Analog	-18dB/0dB
NEO:6	TV	STEREO	Analog	-18dB/0dB
RE-MASTER	DVD	STEREO	Analog	-18dB/0dB

LEVEL	DVR/ DVD_REC	STEREO	Analog	-18dB/0dB
EFFECT	CD	STEREO	Digital (COAX 2)	-48dB/0dB
OFF	TV	STEREO	Digital (OPT 1)	-48dB/0dB
SFC AV/ MOVIE	DVD	STEREO	Digital (COAX 1)	-48dB/0dB
SFC MUSIC	DVR/ DVD_REC	STEREO	Digital (OPT 2)	-48dB/0dB
TEST	No change	SURROUND	Scan the test noise output channel with 500ms intervals	-18dB/0dB
-/L	CD	STEREO	Balance is set to leftmost	-18dB/0dB
+/R	CD	STEREO	Balance is set to rightmost	-18dB/0dB

Fig. 9.4



10. Voltage Measurement and Waveform Chart

Note:

- **Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.**
  Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
- **Circuit voltage and waveform described herein shall be regarded as reference information when probing defect point because it may differ from actual measuring value due to difference of Measuring instrument and its measuring condition and product itself.**

10.1. Voltage Measurement

10.1.1. DSP P.C.B.

10.1.2. Main P.C.B.

10.1.3. Input P.C.B.

10.1.4. Panel P.C.B.

10.1.5. Power P.C.B.

10.1.6. Video & Optical P.C.B.

10.1.7. Component Video P.C.B.

10.2. Waveform Chart

11. Block Diagram

12. Notes of Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology)

Note :

S901
Power switch

S902
Speaker A switch

S903
Band switch

S904
Preset switch

S906
Speaker B switch

S907
Tune Down switch

S908
Tune Up switch

S909
Multi Control switch

S910
Enter switch

VR901
Volume

VR902
Input Selector

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.
- Importance safety notice :
  Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution !
IC, LSI and VLSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.

13. Schematic Diagram

13.1. DSP Circuit

13.2. Main Circuit

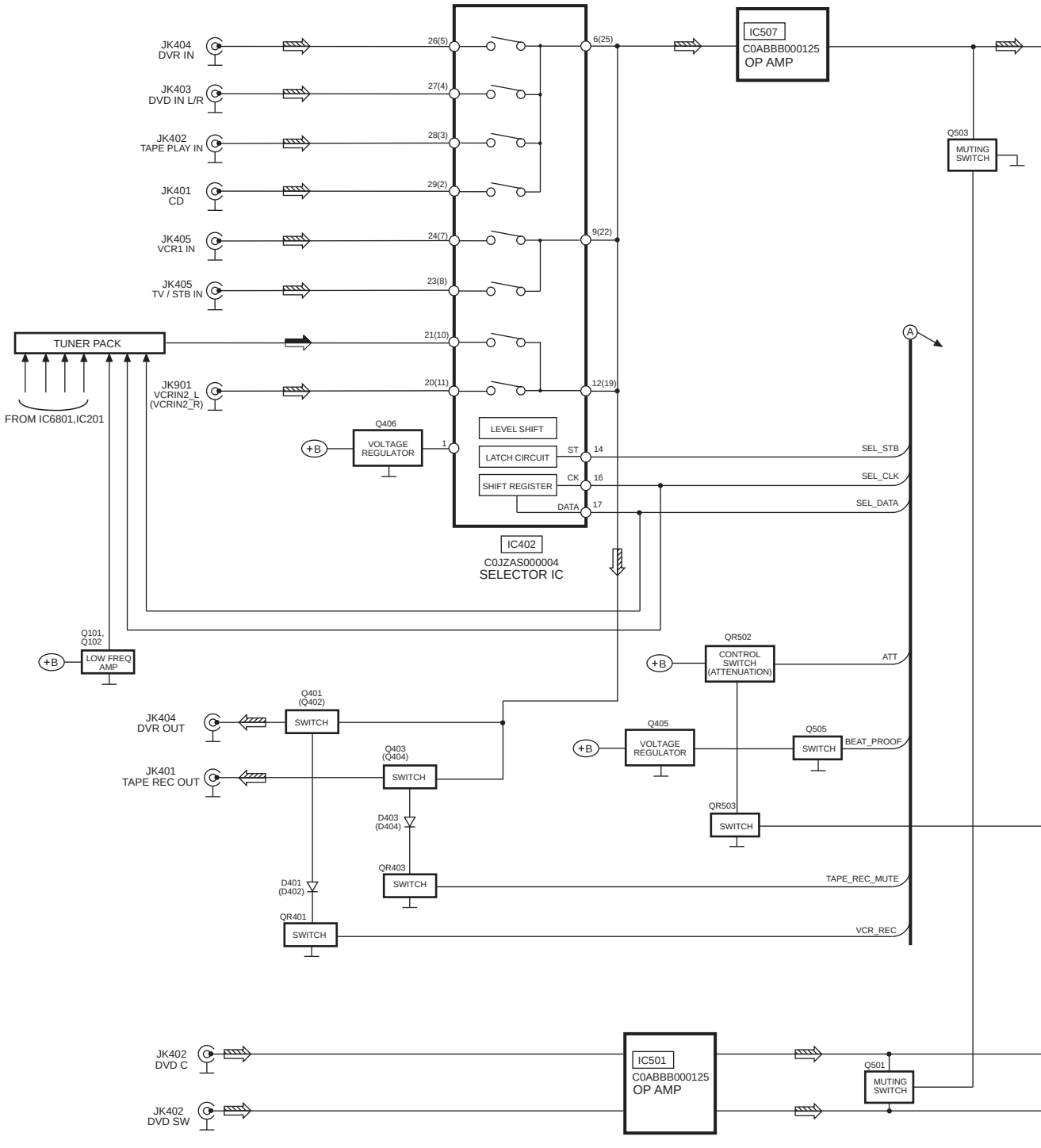
13.3. Input Circuit &Tuner Extent Circuit

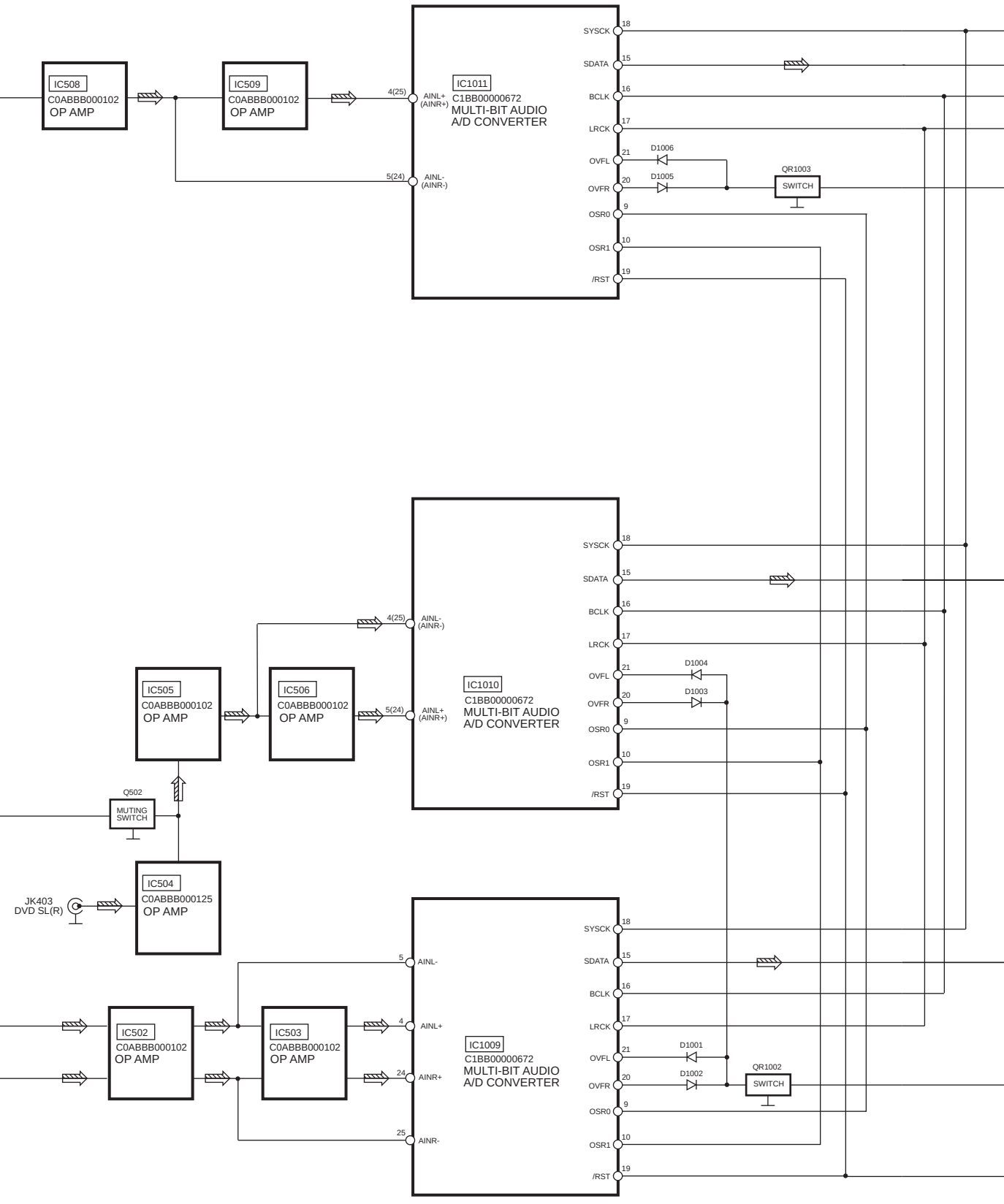
13.4. Panel Circuit

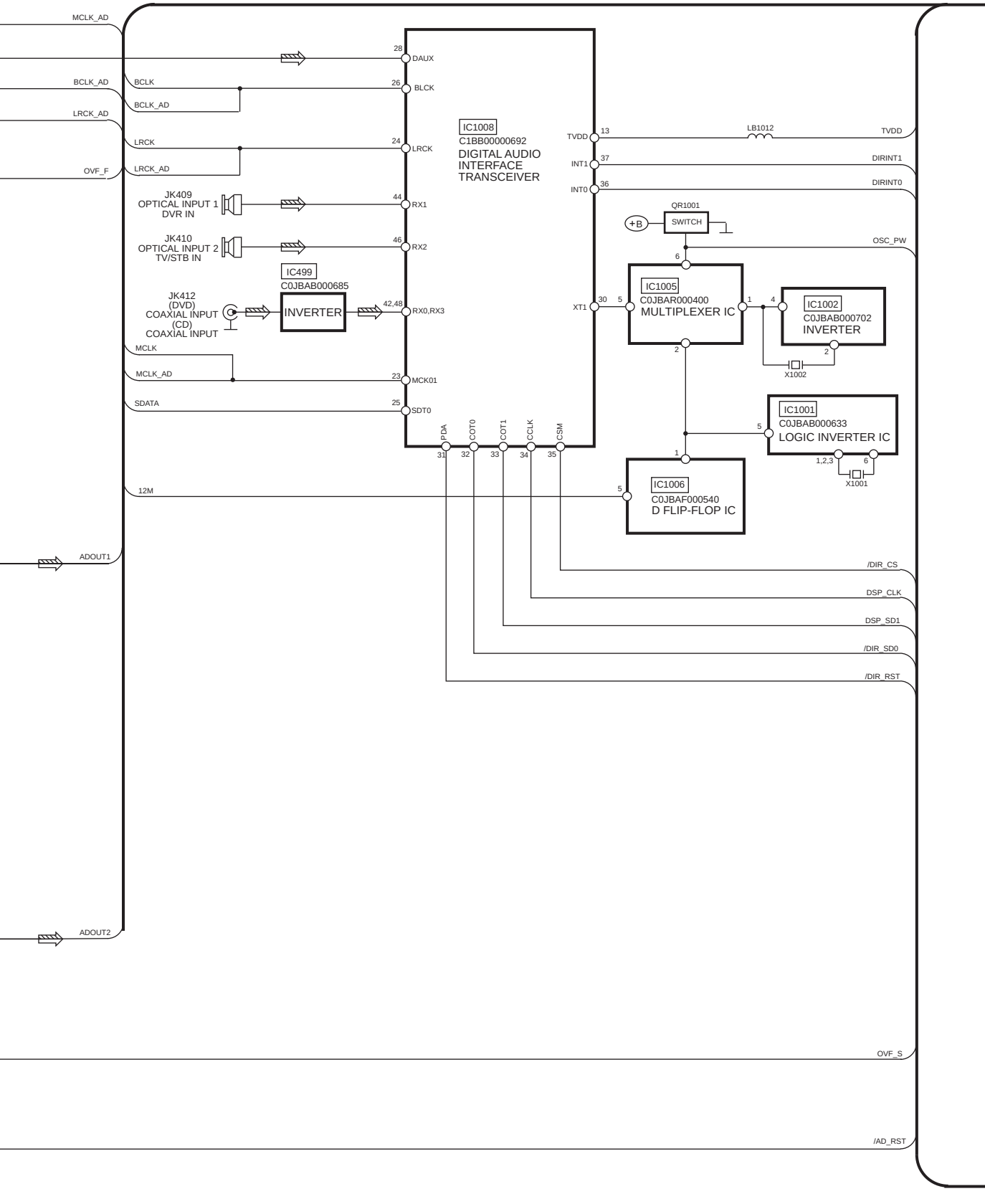
13.5. Speaker Circuit, Headphone Circuit & Volume Circuit

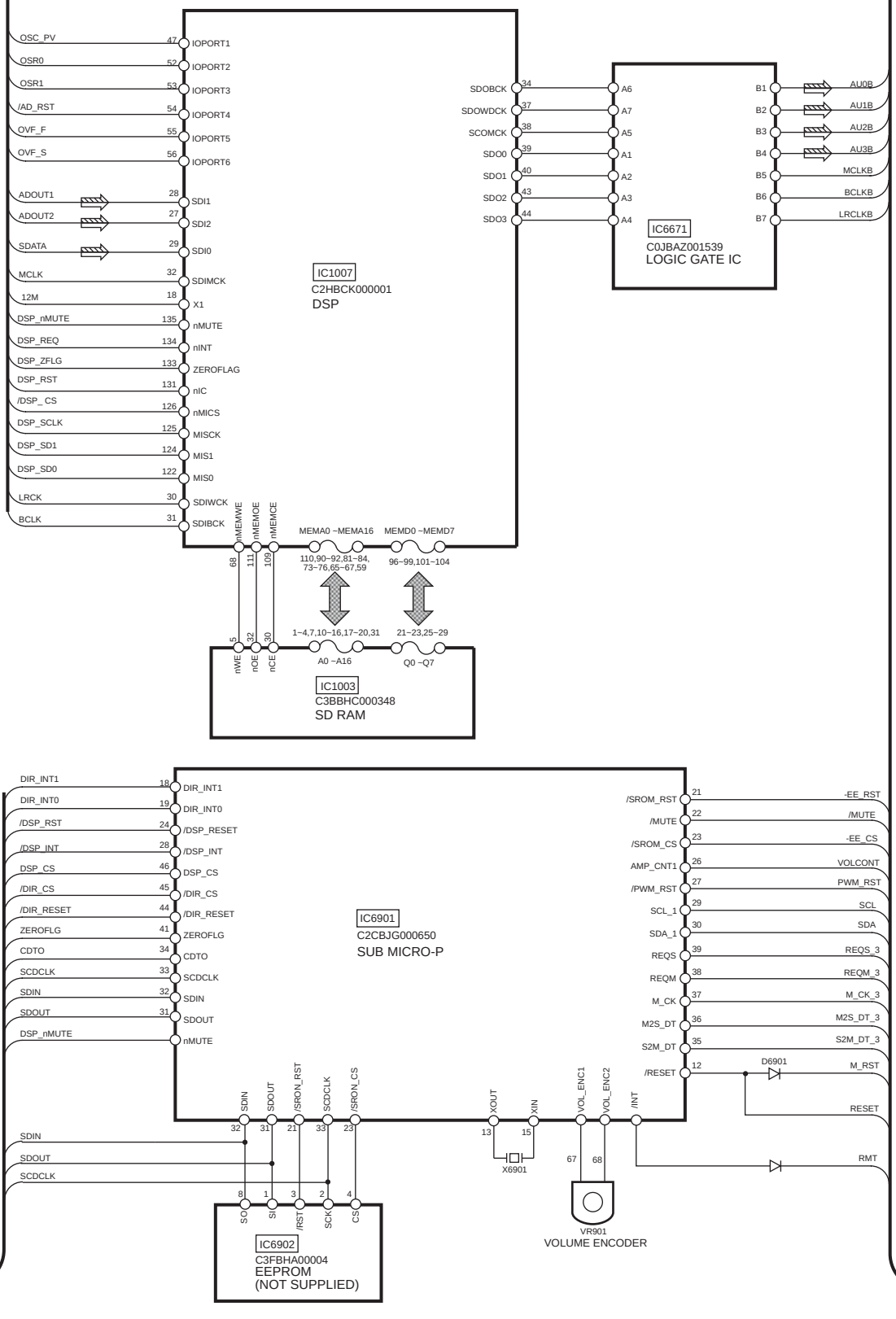
13.6. Power Circuit

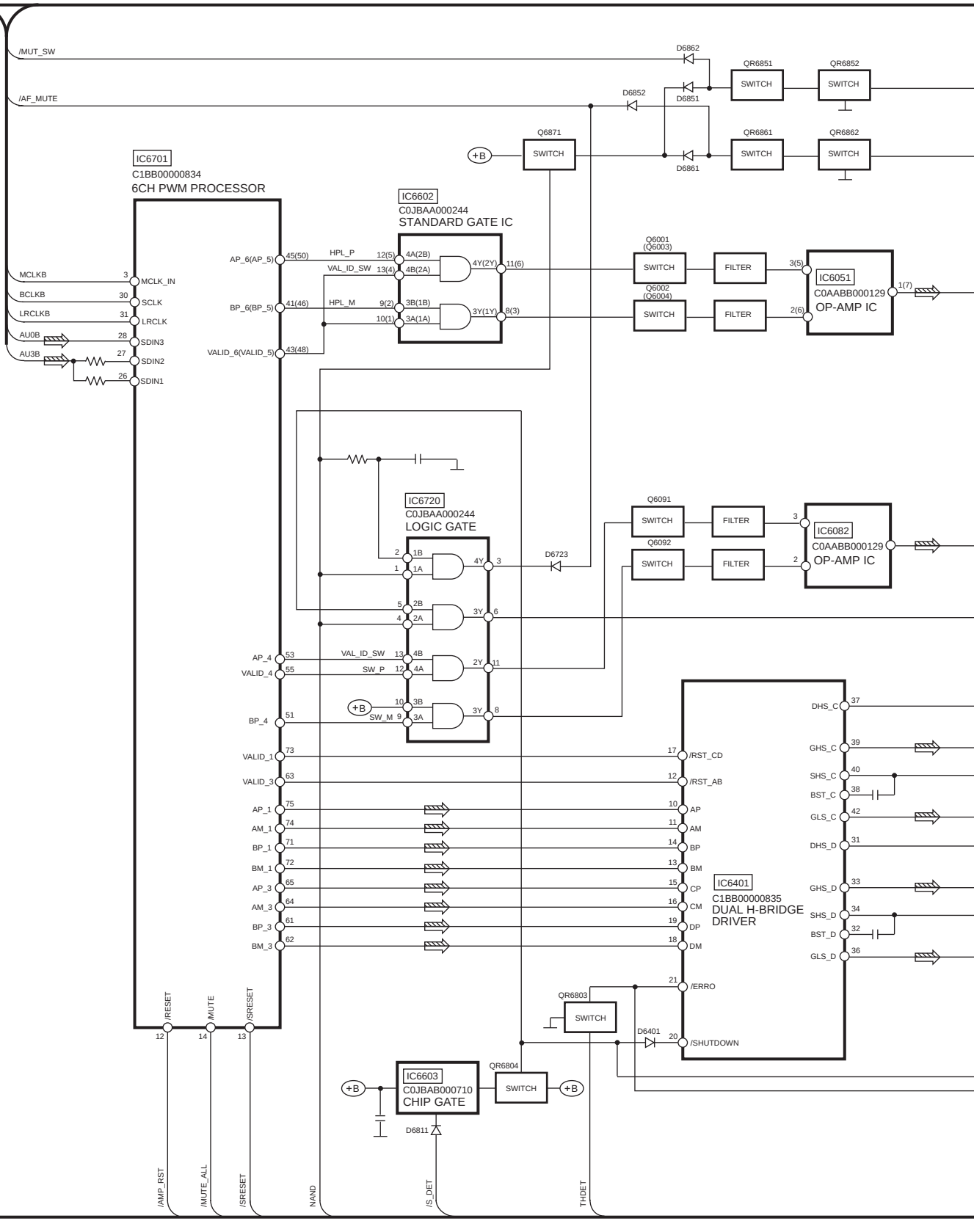
13.7. Video & Optical Circuit

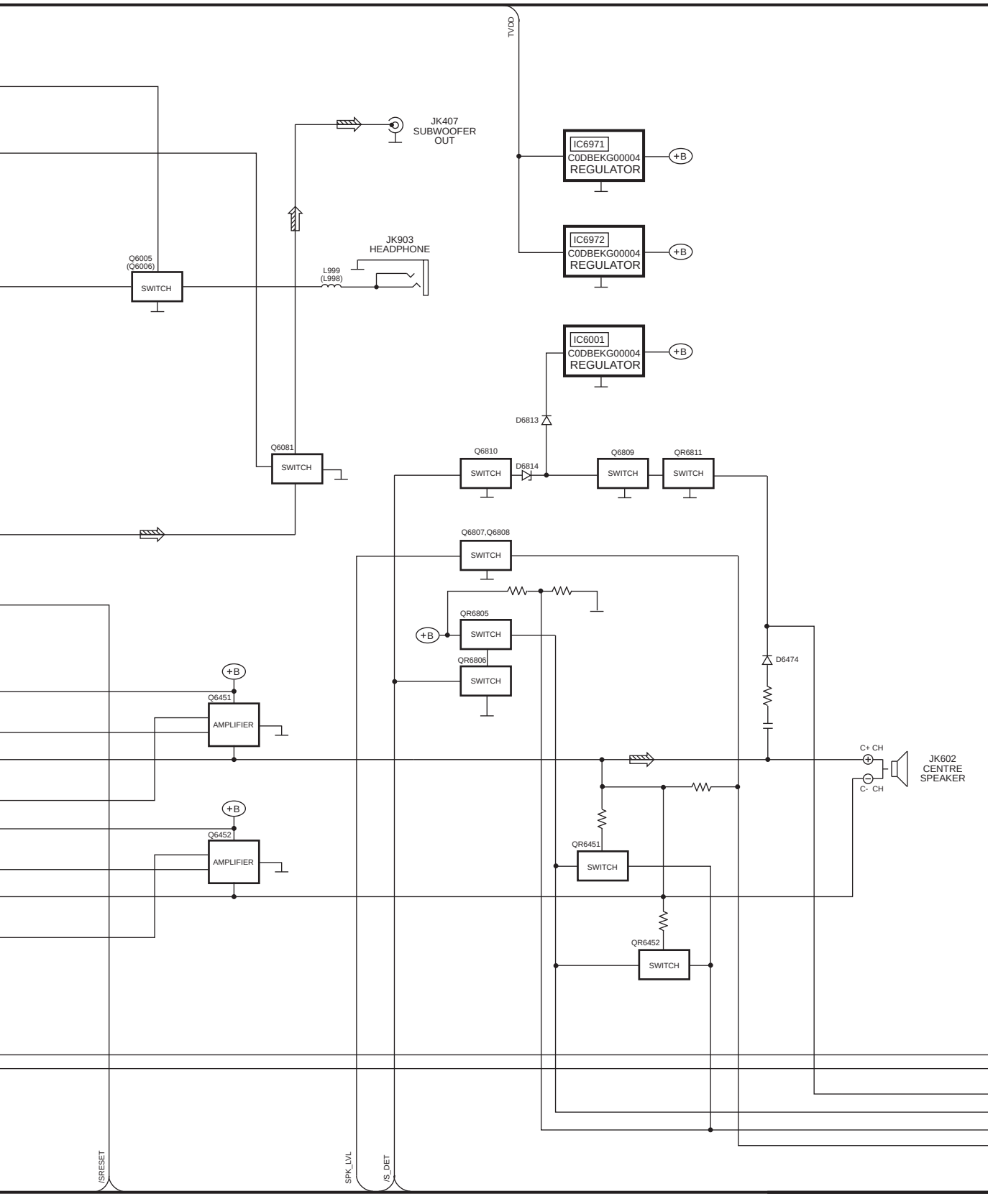

JK404
DVR IN
JK403
DVD IN L/R
JK402
TAPE PLAY IN
JK401
CD
JK405
VCR1 IN
JK405
TV / STB IN
TUNER PACK
FROM IC6801,IC201
JK901
VCRIN2_L
(VCRIN2_R)
26(5)
27(4)
28(3)
29(2)
24(7)
23(8)
21(10)
20(11)
6(25)
9(22)
12(19)
IC507
C0ABBB000125
OP AMP
Q503
MUTING
SWITCH
Q406
VOLTAGE
REGULATOR
+B
1
LEVEL SHIFT
LATCH CIRCUIT
SHIFT REGISTER
ST
CK
DATA
14
16
17
SEL_STB
SEL_CLK
SEL_DATA
IC402
C0JZAS000004
SELECTOR IC
A
Q101,
Q102
LOW FREQ
AMP
QR502
CONTROL
SWITCH
(ATTENUATION)
ATT
JK404
DVR OUT
Q401
(Q402)
SWITCH
JK401
TAPE REC OUT
Q403
(Q404)
SWITCH
D403
(D404)
D401
(D402)
QR403
SWITCH
QR401
SWITCH
Q405
VOLTAGE
REGULATOR
Q505
SWITCH
BEAT_PROOF
QR503
SWITCH
TAPE_REC_MUTE
VCR_REC
JK402
DVD C
JK402
DVD SW
IC501
C0ABBB000125
OP AMP
Q501
MUTING
SWITCH

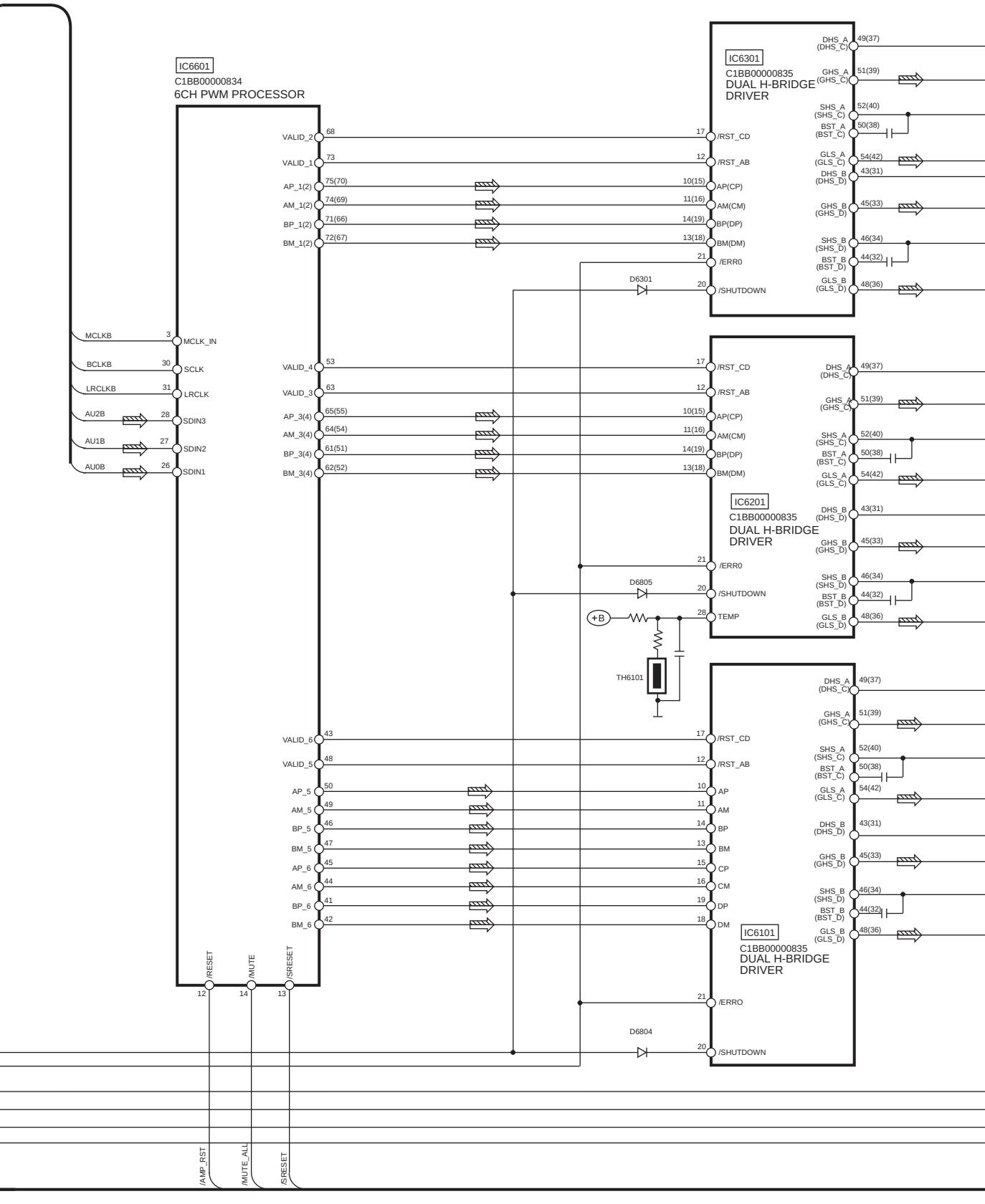

IC508
C0ABBB000102
OP AMP
IC509
C0ABBB000102
OP AMP
IC1011
C1BB00000672
MULTI-BIT AUDIO
A/D CONVERTER
4(25)
AINL+
(AINR+)
5(24)
AINL-
(AINR-)
SYSCK
SDATA
BCLK
LRCK
OVFL
OVFR
OSR0
OSR1
/RST
18
15
16
17
21
20
9
10
19
D1006
D1005
QR1003
SWITCH
IC505
C0ABBB000102
OP AMP
IC506
C0ABBB000102
OP AMP
IC1010
C1BB00000672
MULTI-BIT AUDIO
A/D CONVERTER
D1004
D1003
Q502
MUTING
SWITCH
IC504
C0ABBB000125
OP AMP
JK403
DVD SL(R)
IC502
C0ABBB000102
OP AMP
IC503
C0ABBB000102
OP AMP
IC1009
C1BB00000672
MULTI-BIT AUDIO
A/D CONVERTER
5
4
24
25
AINL-
AINL+
AINR+
AINR-
D1001
D1002
QR1002
SWITCH

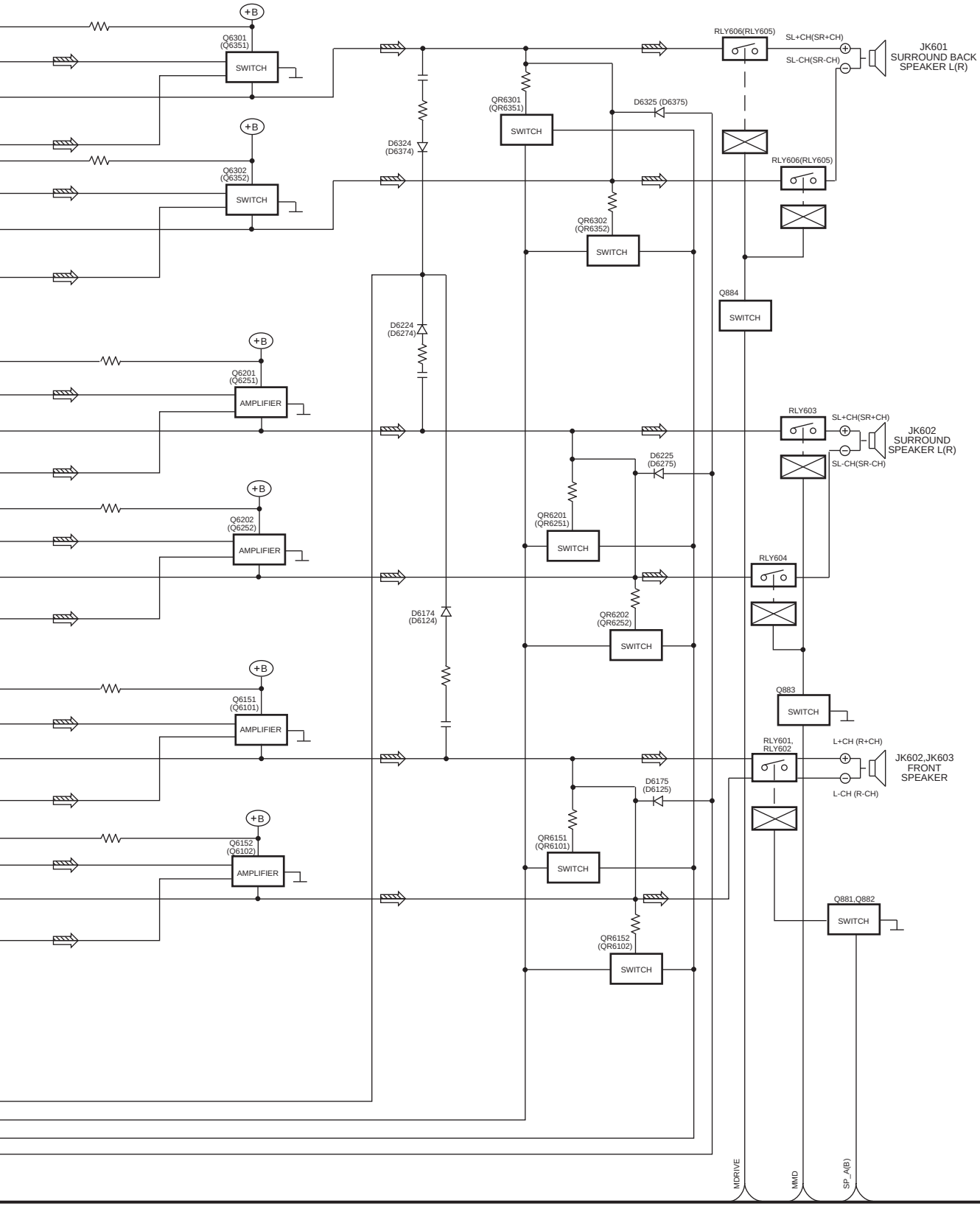

MCLK_AD
BCLK_AD
LRCK_AD
OVF_F
BCLK
LRCK
28
DAUX
26
BLCK
24
LRCK
IC1008
C1BB00000692
DIGITAL AUDIO
INTERFACE
TRANSCEIVER
JK409
OPTICAL INPUT 1
DVR IN
44
RX1
JK410
OPTICAL INPUT 2
TV/STB IN
46
RX2
IC499
C0JBAB000685
JK412
(DVD)
COAXIAL INPUT
(CD)
COAXIAL INPUT
INVERTER
42,48
RX0,RX3
MCLK
MCLK_AD
23
MCK01
SDATA
25
SDT0
PDA
COT0
COT1
CCLK
CSM
31
32
33
34
35
12M
ADOUT1
ADOUT2
TVDD
13
LB1012
TVDD
INT1
37
DIRINT1
INT0
36
DIRINT0
QR1001
+B
SWITCH
OSC_PW
6
IC1005
C0JBAR000400
MULTIPLEXER IC
XT1
30
5
1
4
IC1002
C0JBAB000702
INVERTER
2
2
X1002
IC1001
C0JBAB000633
LOGIC INVERTER IC
5
1,2,3
6
X1001
IC1006
C0JBAF000540
D FLIP-FLOP IC
1
5
/DIR_CS
DSP_CLK
DSP_SD1
/DIR_SD0
/DIR_RST
OVF_S
/AD_RST

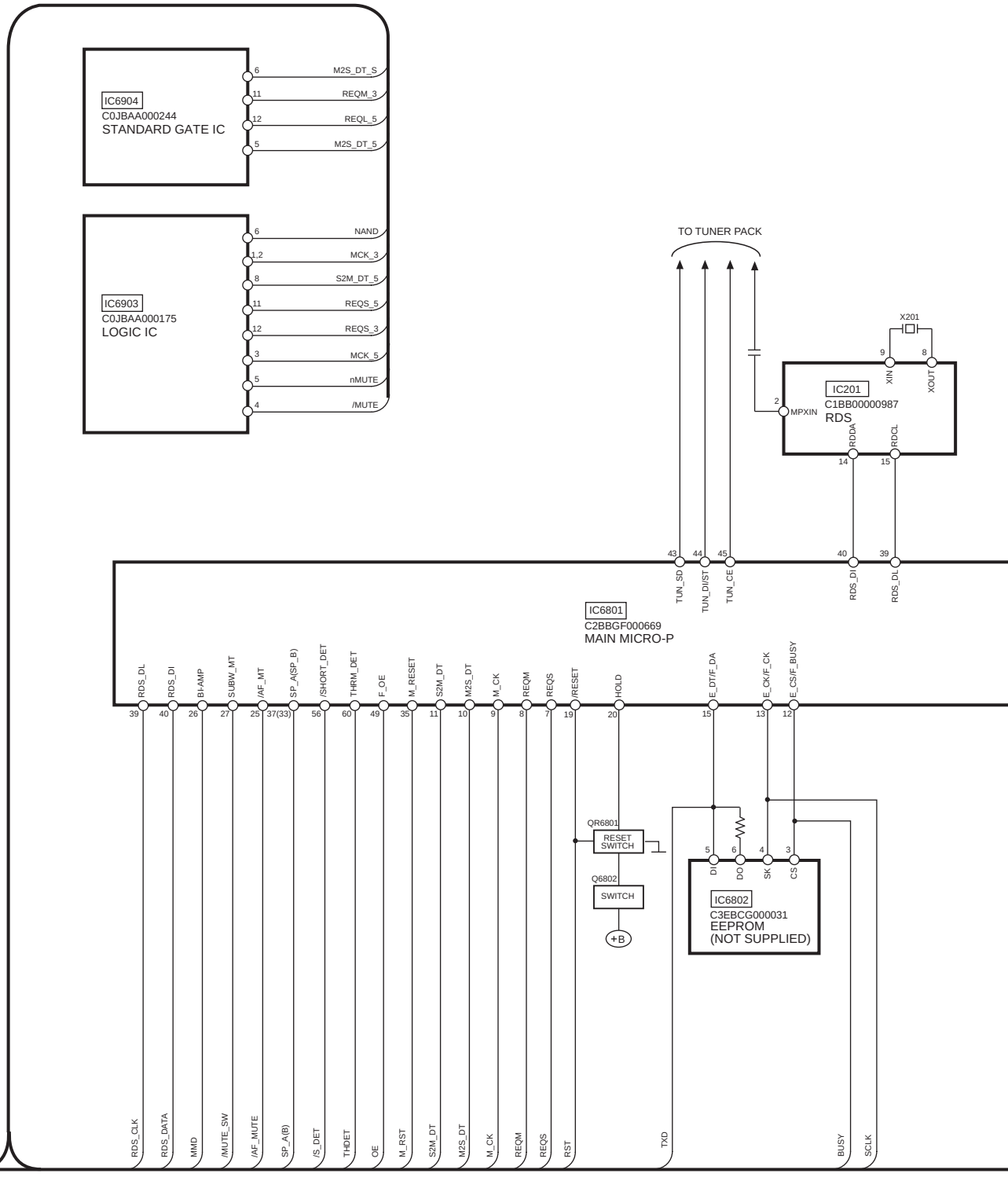

OSC_PV
OSR0
OSR1
/AD_RST
OVF_F
OVF_S
IOPORT1
IOPORT2
IOPORT3
IOPORT4
IOPORT5
IOPORT6
ADOUT1
ADOUT2
SDATA
SDI1
SDI2
SDI0
MCLK
12M
DSP_nMUTE
DSP_REQ
DSP_ZFLG
DSP_RST
/DSP_ CS
DSP_SCLK
DSP_SD1
DSP_SD0
LRCK
BCLK
SDIMCK
X1
nMUTE
nINT
ZEROFLAG
nIC
nMICS
MISCK
MIS1
MIS0
SDIWCK
SDIBCK
IC1007
C2HBCK000001
DSP
SDOBCK
SDOWDCK
SCOMCK
SDO0
SDO1
SDO2
SDO3
A6
A7
A5
A1
A2
A3
A4
IC6671
C0JBAZ001539
LOGIC GATE IC
B1
B2
B3
B4
B5
B6
B7
AU0B
AU1B
AU2B
AU3B
MCLKB
BCLKB
LRCLKB
nMEMWE
nMEMOE
nMEMCE
MEMA0 ~MEMA16
MEMD0 ~MEMD7
110,90~92,81~84,
73~76,65~67,59
96~99,101~104
1~4,7,10~16,17~20,31
21~23,25~29
A0 ~A16
Q0 ~Q7
nWE
nOE
nCE
IC1003
C3BBHC000348
SD RAM
DIR_INT1
DIR_INT0
/DSP_RST
/DSP_INT
DSP_CS
/DIR_CS
/DIR_RESET
ZEROFLG
CDTO
SCDCLK
SDIN
SDOUT
DSP_nMUTE
/DSP_RESET
/DIR_INT
/DIR_RESET
IC6901
C2CBJG000650
SUB MICRO-P
/SROM_RST
/MUTE
/SROM_CS
AMP_CNT1
/PWM_RST
SCL_1
SDA_1
REQS
REQM
M_CK
M2S_DT
S2M_DT
/RESET
-EE_RST
-EE_CS
VOLCONT
PWM_RST
SCL
SDA
REQS_3
REQM_3
M_CK_3
M2S_DT_3
S2M_DT_3
M_RST
RESET
RMT
D6901
/SRON_RST
/SRON_CS
XOUT
XIN
VOL_ENC1
VOL_ENC2
/INT
X6901
VR901
VOLUME ENCODER
SO
SI
/RST
SCK
CS
IC6902
C3FBHA00004
EEPROM
(NOT SUPPLIED)

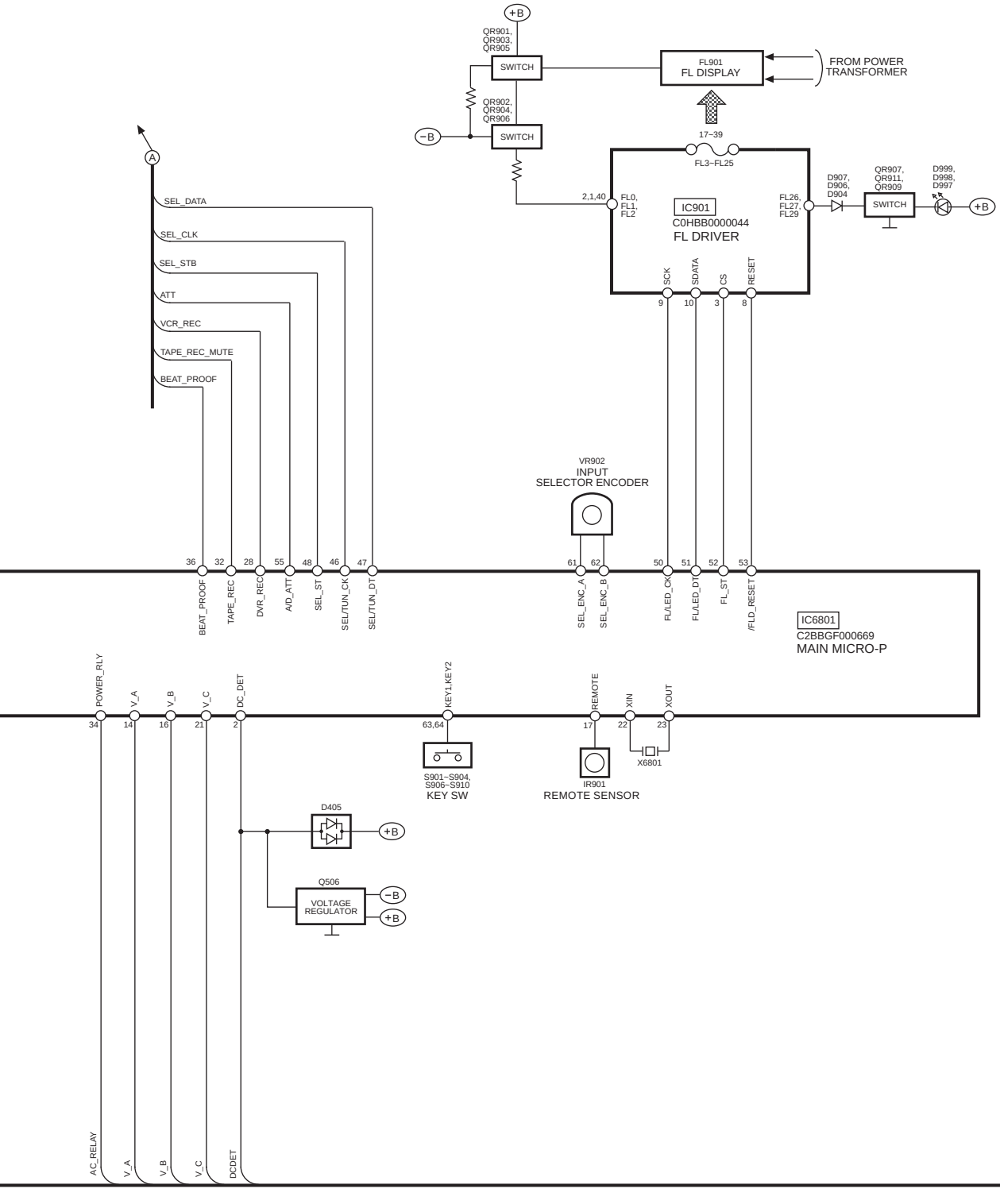

/MUT_SW
/AF_MUTE
D6862
D6852
D6851
QR6851
SWITCH
QR6852
SWITCH
Q6871
+B
SWITCH
D6861
QR6861
SWITCH
QR6862
SWITCH
IC6701
C1BB00000834
6CH PWM PROCESSOR
IC6602
C0JBAA000244
STANDARD GATE IC
MCLKB
BCLKB
LRCLKB
AU0B
AU3B
MCLK_IN
SCLK
LRCLK
SDIN3
SDIN2
SDIN1
AP_6(AP_5)
BP_6(BP_5)
VALID_6(VALID_5)
HPL_P
VAL_ID_SW
HPL_M
4A(2B)
4B(2A)
3B(1B)
3A(1A)
4Y(2Y)
3Y(1Y)
Q6001
(Q6003)
Q6002
(Q6004)
SWITCH
FILTER
IC6051
C0AABB000129
OP-AMP IC
IC6720
C0JBAA000244
LOGIC GATE
D6723
Q6091
Q6092
IC6082
C0AABB000129
OP-AMP IC
AP_4
VALID_4
BP_4
VALID_1
VALID_3
AP_1
AM_1
BP_1
BM_1
AP_3
AM_3
BP_3
BM_3
SW_P
SW_M
IC6401
C1BB00000835
DUAL H-BRIDGE
DRIVER
/RST_CD
/RST_AB
AP
AM
BP
BM
CP
CM
DP
DM
/ERRO
/SHUTDOWN
DHS_C
GHS_C
SHS_C
BST_C
GLS_C
DHS_D
GHS_D
SHS_D
BST_D
GLS_D
QR6803
SWITCH
D6401
IC6603
C0JBAB000710
CHIP GATE
QR6804
SWITCH
D6811
/RESET
/MUTE
/SRESET
/AMP_RST
/MUTE_ALL
/SRESET
NAND
/S_DET
THDET

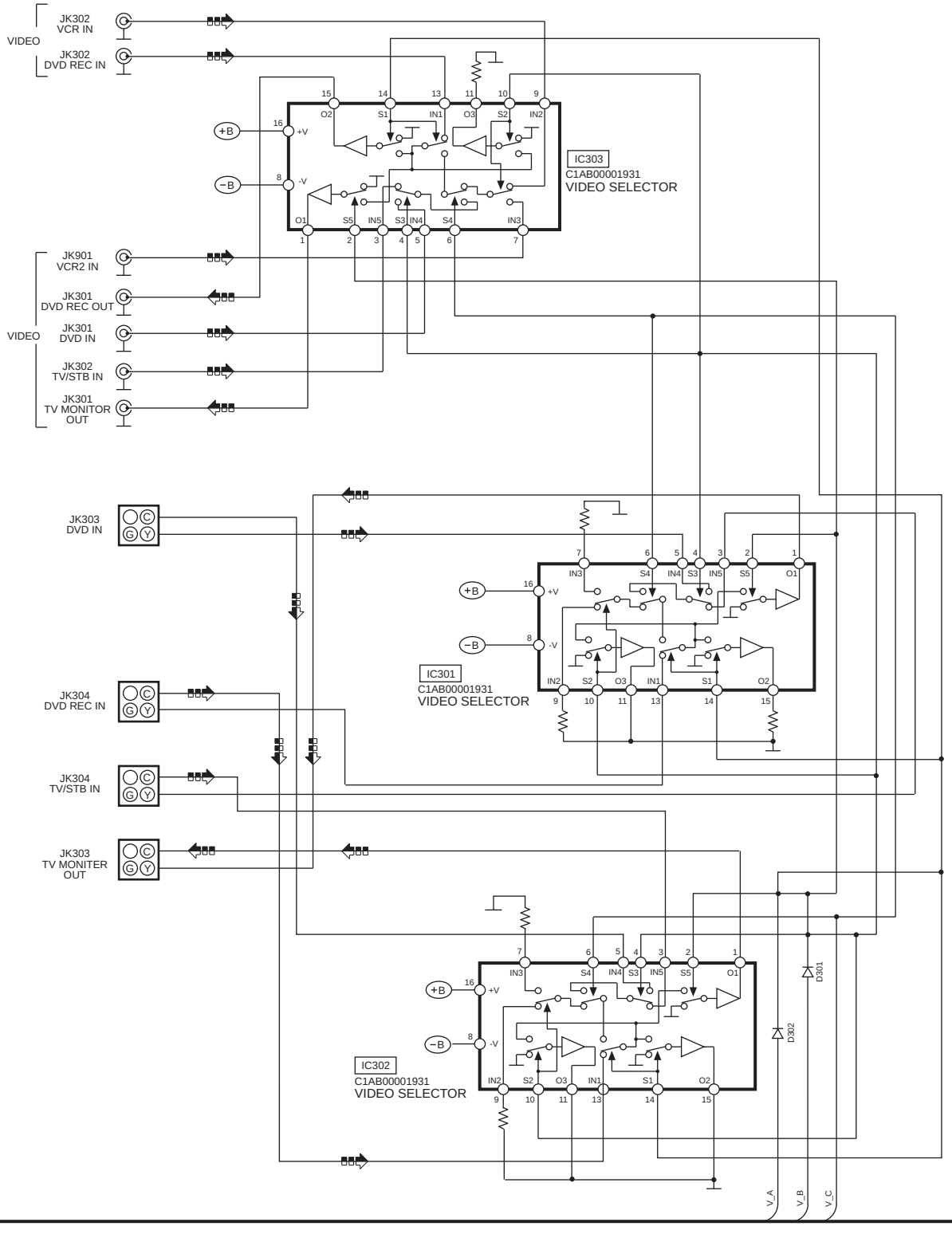

TVDD
JK407
SUBWOOFER
OUT
IC6971
C0DBEKG00004
REGULATOR
+B
IC6972
C0DBEKG00004
REGULATOR
+B
JK903
HEADPHONE
Q6005
(Q6006)
SWITCH
L999
(L998)
IC6001
C0DBEKG00004
REGULATOR
+B
D6813
Q6081
SWITCH
Q6810
SWITCH
D6814
Q6809
SWITCH
QR6811
SWITCH
Q6807,Q6808
SWITCH
QR6805
SWITCH
+B
QR6806
SWITCH
D6474
+B
Q6451
AMPLIFIER
C+ CH
JK602
CENTRE
SPEAKER
C- CH
+B
Q6452
AMPLIFIER
QR6451
SWITCH
QR6452
SWITCH
/SRESET
SPK_LVL
/S_DET

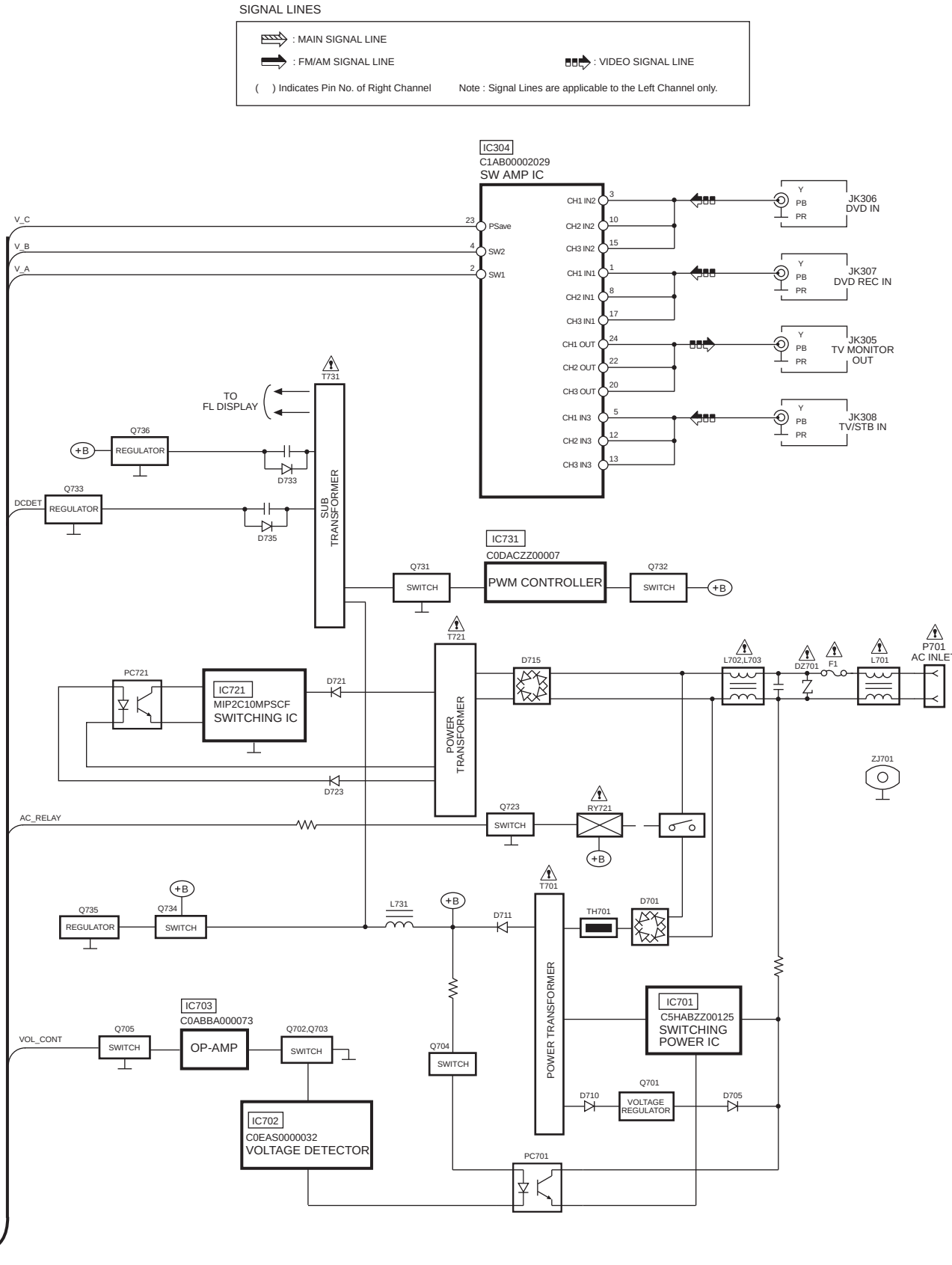

IC6601
C1BB00000834
6CH PWM PROCESSOR
MCLKB
BCLKB
LRCLKB
AU2B
AU1B
AU0B
MCLK_IN
SCLK
LRCLK
SDIN3
SDIN2
SDIN1
VALID_2
VALID_1
AP_1(2)
AM_1(2)
BP_1(2)
BM_1(2)
VALID_4
VALID_3
AP_3(4)
AM_3(4)
BP_3(4)
BM_3(4)
VALID_6
VALID_5
AP_5
AM_5
BP_5
BM_5
AP_6
AM_6
BP_6
BM_6
/RESET
/MUTE
/SRESET
IC6301
C1BB00000835
DUAL H-BRIDGE DRIVER
IC6201
C1BB00000835
DUAL H-BRIDGE DRIVER
IC6101
C1BB00000835
DUAL H-BRIDGE DRIVER
/RST_CD
/RST_AB
AP(CP)
AM(CM)
BP(DP)
BM(DM)
/ERR0
/SHUTDOWN
TEMP
AP
AM
BP
BM
CP
CM
DP
DM
/ERRO
D6301
D6805
D6804
TH6101
+B
DHS_A (DHS_C)
GHS_A (GHS_C)
SHS_A (SHS_C)
BST_A (BST_C)
GLS_A (GLS_C)
DHS_B (DHS_D)
GHS_B (GHS_D)
SHS_B (SHS_D)
BST_B (BST_D)
GLS_B (GLS_D)
/AMP_RST
/MUTE_ALL
/SRESET


+B
Q6301 (Q6351)
SWITCH
Q6302 (Q6352)
SWITCH
Q6201 (Q6251)
AMPLIFIER
Q6202 (Q6252)
AMPLIFIER
Q6151 (Q6101)
AMPLIFIER
Q6152 (Q6102)
AMPLIFIER
D6324 (D6374)
D6224 (D6274)
D6174 (D6124)
QR6301 (QR6351)
SWITCH
D6325 (D6375)
QR6302 (QR6352)
SWITCH
QR6201 (QR6251)
SWITCH
D6225 (D6275)
QR6202 (QR6252)
SWITCH
QR6151 (QR6101)
SWITCH
D6175 (D6125)
QR6152 (QR6102)
SWITCH
RLY606(RLY605)
SL+CH(SR+CH)
SL-CH(SR-CH)
JK601 SURROUND BACK SPEAKER L(R)
RLY606(RLY605)
Q884
SWITCH
RLY603
SL+CH(SR+CH)
SL-CH(SR-CH)
JK602 SURROUND SPEAKER L(R)
RLY604
Q883
SWITCH
RLY601, RLY602
L+CH (R+CH)
L-CH (R-CH)
JK602,JK603 FRONT SPEAKER
Q881,Q882
SWITCH
MDRIVE
MMD
SP_A(B)


IC6904
C0JBAA000244
STANDARD GATE IC
6 M2S_DT_S
11 REQM_3
12 REQL_5
5 M2S_DT_5
IC6903
C0JBAA000175
LOGIC IC
6 NAND
1,2 MCK_3
8 S2M_DT_5
11 REQS_5
12 REQS_3
3 MCK_5
5 nMUTE
4 /MUTE
TO TUNER PACK
X201
9 XIN
8 XOUT
IC201
C1BB00000987
RDS
2 MPXIN
14 RDDA
15 RDCL
43 TUN_SD
44 TUN_DI/ST
45 TUN_CE
40 RDS_DI
39 RDS_DL
IC6801
C2BBGF000669
MAIN MICRO-P
39 RDS_DL
40 RDS_DI
26 BI-AMP
27 SUBW_MT
25 AF_MT
37(33) SP_A(SP_B)
56 SHORT_DET
60 THRM_DET
49 F_OE
35 M_RESET
11 S2M_DT
10 M2S_DT
9 M_CK
8 REQM
7 REQS
19 RESET
20 HOLD
15 E_DT/F_DA
13 E_CK/F_CK
12 E_CS/F_BUSY
QR6801
RESET SWITCH
Q6802
SWITCH
+B
IC6802
C3EBCG000031
EEPROM
(NOT SUPPLIED)
5 DI
6 DO
4 SK
3 CS
RDS_CLK
RDS_DATA
MMD
/MUTE_SW
/AF_MUTE
SP_A(B)
/S_DET
THDET
OE
M_RST
S2M_DT
M2S_DT
M_CK
REQM
REQS
RST
TXD
BUSY
SCLK

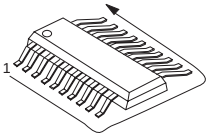

+B
QR901, QR903, QR905
SWITCH
FL901
FL DISPLAY
FROM POWER TRANSFORMER
QR902, QR904, QR906
SWITCH
−B
17~39
FL3~FL25
A
SEL_DATA
SEL_CLK
SEL_STB
ATT
VCR_REC
TAPE_REC_MUTE
BEAT_PROOF
2,1,40
FL0, FL1, FL2
IC901
C0HBB0000044
FL DRIVER
FL26, FL27, FL29
D907, D906, D904
QR907, QR911, QR909
SWITCH
D999, D998, D997
+B
SCK
SDATA
CS
RESET
9
10
3
8
VR902
INPUT
SELECTOR ENCODER
36
32
28
55
48
46
47
61
62
50
51
52
53
BEAT_PROOF
TAPE_REC
DVR_REC
A/D_ATT
SEL_ST
SEL/TUN_CK
SEL/TUN_DT
SEL_ENC_A
SEL_ENC_B
FL/LED_CK
FL/LED_DT
FL_ST
/FLD_RESET
IC6801
C2BBGF000669
MAIN MICRO-P
POWER_RLY
V_A
V_B
V_C
DC_DET
KEY1,KEY2
REMOTE
XIN
XOUT
34
14
16
21
2
63,64
17
22
23
S901~S904, S906~S910
KEY SW
IR901
REMOTE SENSOR
X6801
D405
+B
Q506
VOLTAGE REGULATOR
−B
+B
AC_RELAY
V_A
V_B
V_C
DCDET


VIDEO
JK302
VCR IN
JK302
DVD REC IN
+B
−B
+V
-V
IC303
C1AB00001931
VIDEO SELECTOR
JK901
VCR2 IN
JK301
DVD REC OUT
VIDEO
JK301
DVD IN
JK302
TV/STB IN
JK301
TV MONITOR
OUT
JK303
DVD IN
IC301
C1AB00001931
VIDEO SELECTOR
JK304
DVD REC IN
JK304
TV/STB IN
JK303
TV MONITER
OUT
IC302
C1AB00001931
VIDEO SELECTOR
D301
D302
V_A
V_B
V_C

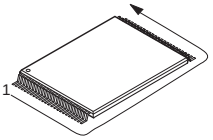

SIGNAL LINES
: MAIN SIGNAL LINE
: FM/AM SIGNAL LINE
: VIDEO SIGNAL LINE
( ) Indicates Pin No. of Right Channel
Note : Signal Lines are applicable to the Left Channel only.
IC304
C1AB00002029
SW AMP IC
V_C
V_B
V_A
PSave
SW2
SW1
CH1 IN2
CH2 IN2
CH3 IN2
CH1 IN1
CH2 IN1
CH3 IN1
CH1 OUT
CH2 OUT
CH3 OUT
CH1 IN3
CH2 IN3
CH3 IN3
JK306 DVD IN
JK307 DVD REC IN
JK305 TV MONITOR OUT
JK308 TV/STB IN
Y
PB
PR
T731
TO FL DISPLAY
Q736
REGULATOR
+B
D733
Q733
DCDET
D735
SUB TRANSFORMER
IC731
C0DACZZ00007
Q731
SWITCH
PWM CONTROLLER
Q732
T721
PC721
IC721
MIP2C10MPSCF
SWITCHING IC
D721
D723
POWER TRANSFORMER
D715
L702,L703
DZ701
F1
L701
P701
AC INLET
ZJ701
AC_RELAY
Q723
RY721
Q735
Q734
L731
D711
T701
TH701
D701
IC703
C0ABBA000073
VOL_CONT
Q705
OP-AMP
Q702,Q703
Q704
IC701
C5HABZZ00125
SWITCHING POWER IC
POWER TRANSFORMER
D710
Q701
VOLTAGE REGULATOR
D705
IC702
C0EAS0000032
VOLTAGE DETECTOR
PC701

C0JBAA000244 (14p)
C0ABBB000125(8p)
C1BB00000835(56p)
C1AB00001931(16p)
C0ABBA000073(8p)
C0JBAZ001539(20p)
C1BB00000672(28p)
C0JBAB000633(8p)
C0JBAB000685(6p)

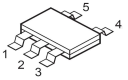
C0JBAF000540(6p)
C0JBAR000400(8p)
C1AB00002029(24p)
C0JBAA000175(14p)
C0JZAS000004(30p)
C1BB00000987(16p)



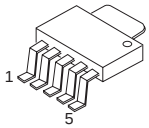
C3BBHC000348(32p)



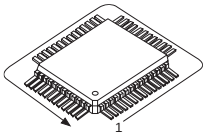
C0JBAB000702
C0JBAB000710



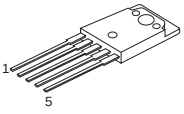
C0DBEKG00004



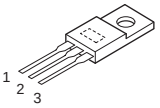
C1BB00000692 (48p)
C1BB00000834(80p)
C0HBB0000044(40p)
C2CBJG000650(100p)
C2BBGF000669 (64p)
C2HBCK000001(144p)



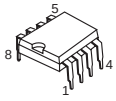
C5HABZZ00125



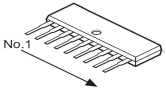
C0EAS0000032



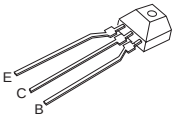
C0DACZZ00007
C0ABBB000102
MIP2C10MPSCF



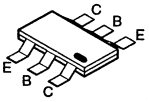
C0AABB000129



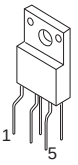
B1GACFJN0007



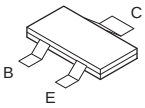
B1GFGCAA0001



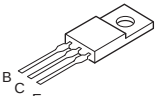
B1DEGF000004



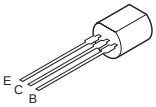
B1ABEC000010
B1GDCFJN0001
B1ADCF000063
B1GBCFJJ0007
B1GBCFJN0009
B1GBCFJA0002
B1ABCF000011
UNR211500L



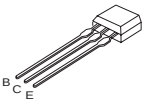
B1BACJ000005
B1DEGL000008



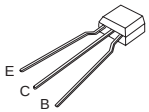
2SD0592AWA



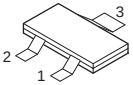
B1AAGC000006
B1ADCF000001



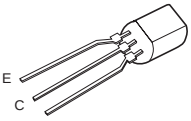
B1GCCFJJ0008
2SC3311ARA



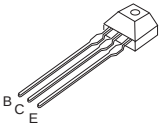
B1ABCF000079
B1ABDB000035
B1GDCFJJ0008



2SB0621AHA

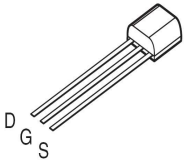


B1GACFGG0004

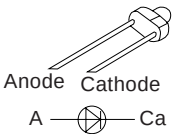


B1GBCFQQ0002
B1CBGD000001

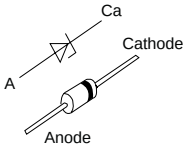
B1CABA000003



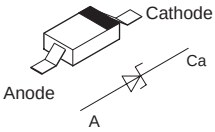
B3AAA0000487
B3AAA0000489



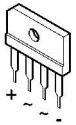
B0BA01800019
B0BA03000015
MTZJ39DTA



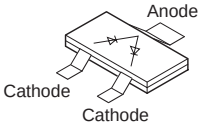
B0JCCE000002
B0JCMG000016



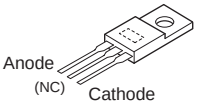
B0FFAR000001



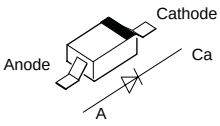
B0ADCJ000020



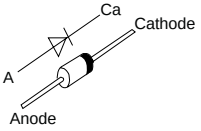
B0ZAZ0000052



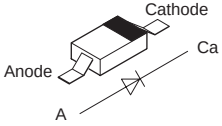
B0ACEM000009



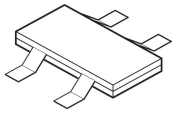
B0HANM000012
B0EAKM000122
B0HAJL000001
B0JAME000025
B0HAGR000002
B0JAJG000002



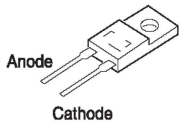
B0ACCE000003
B0ACCK000005
MA2J11100L



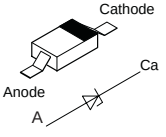
B0EDKT000009



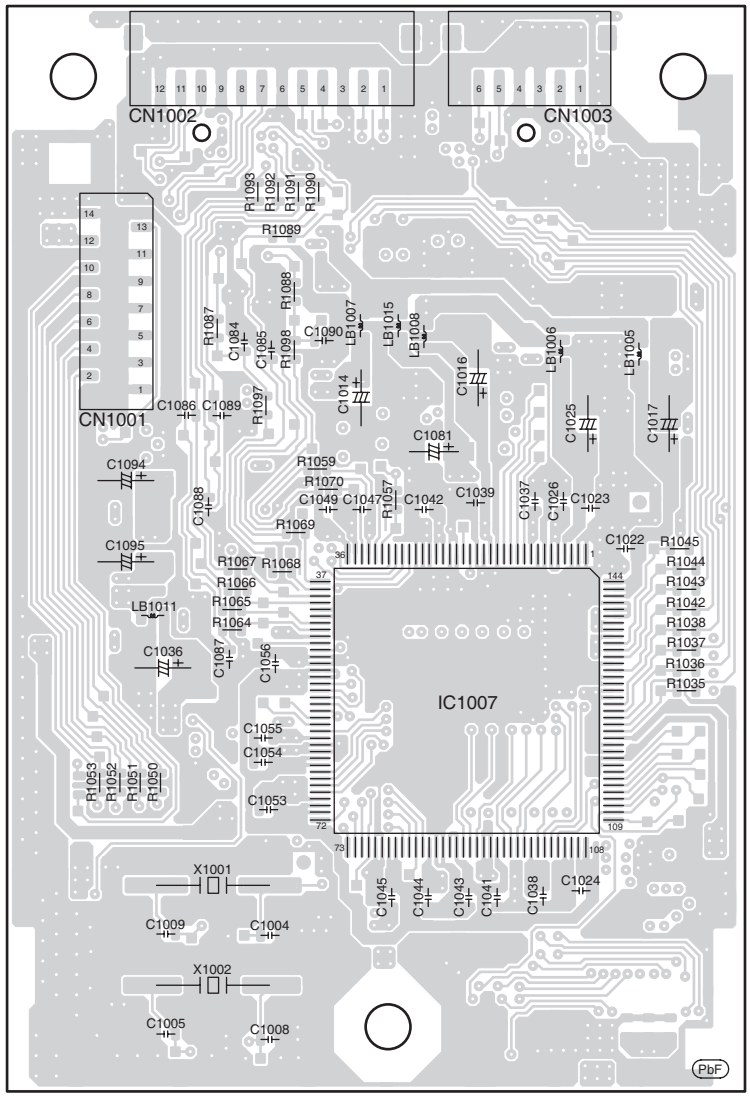
B0HASM000003



MAZ80560ML
MAZ80390LL
MAZ80470ML



A DSP P.C.B (REP3890A-T)

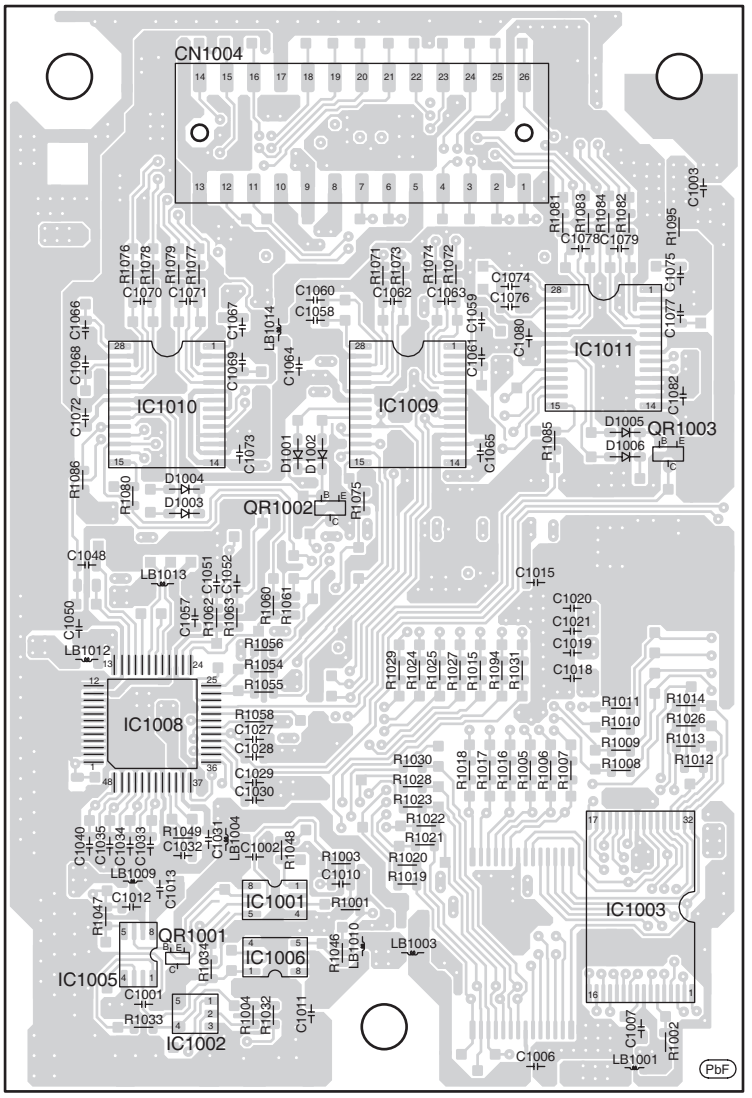


(SIDE A)

A B C D E F G

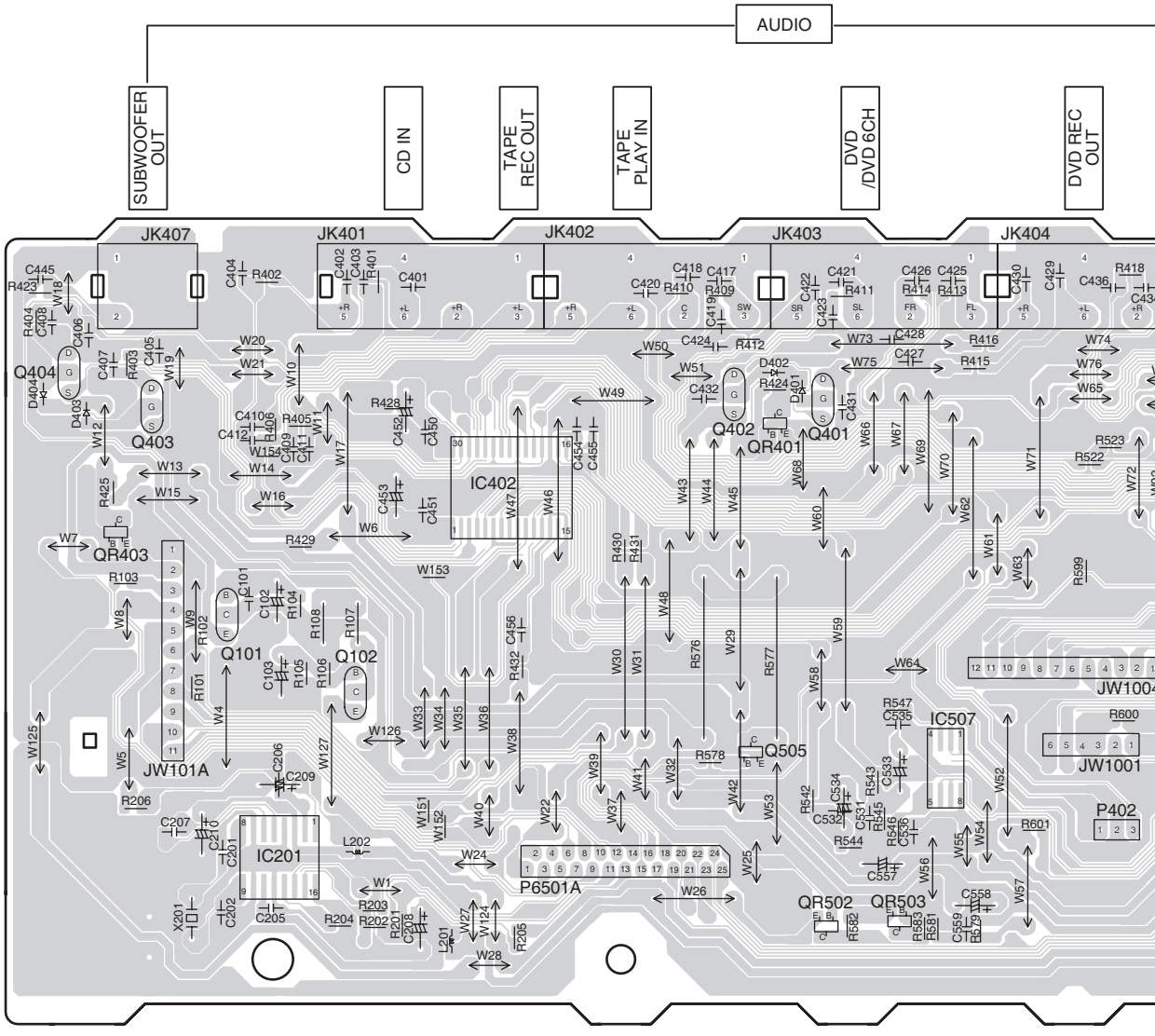
1 2 3 4 5 6 7 8 9

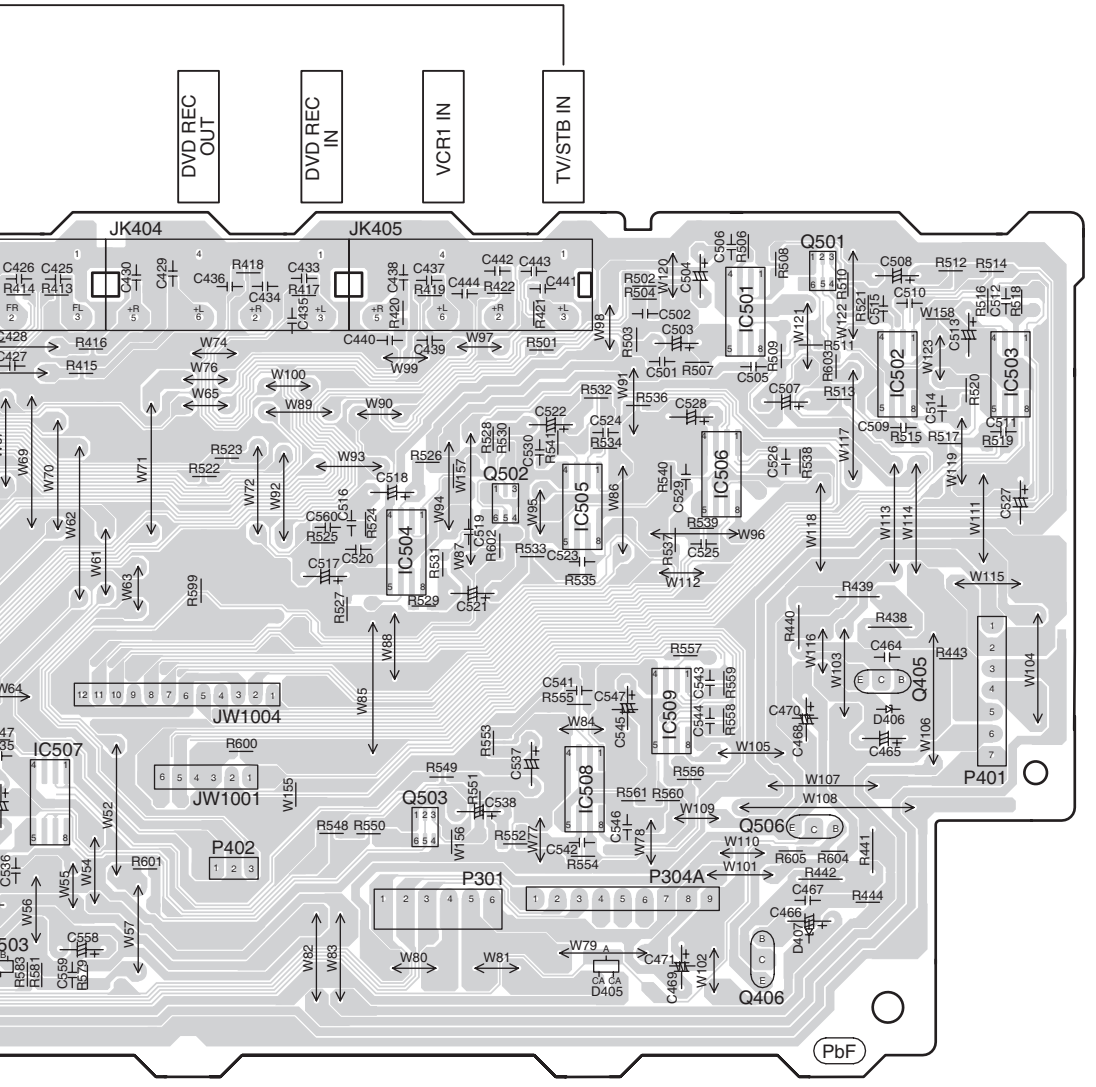
A DSP P.C.B (REP3890A-T)



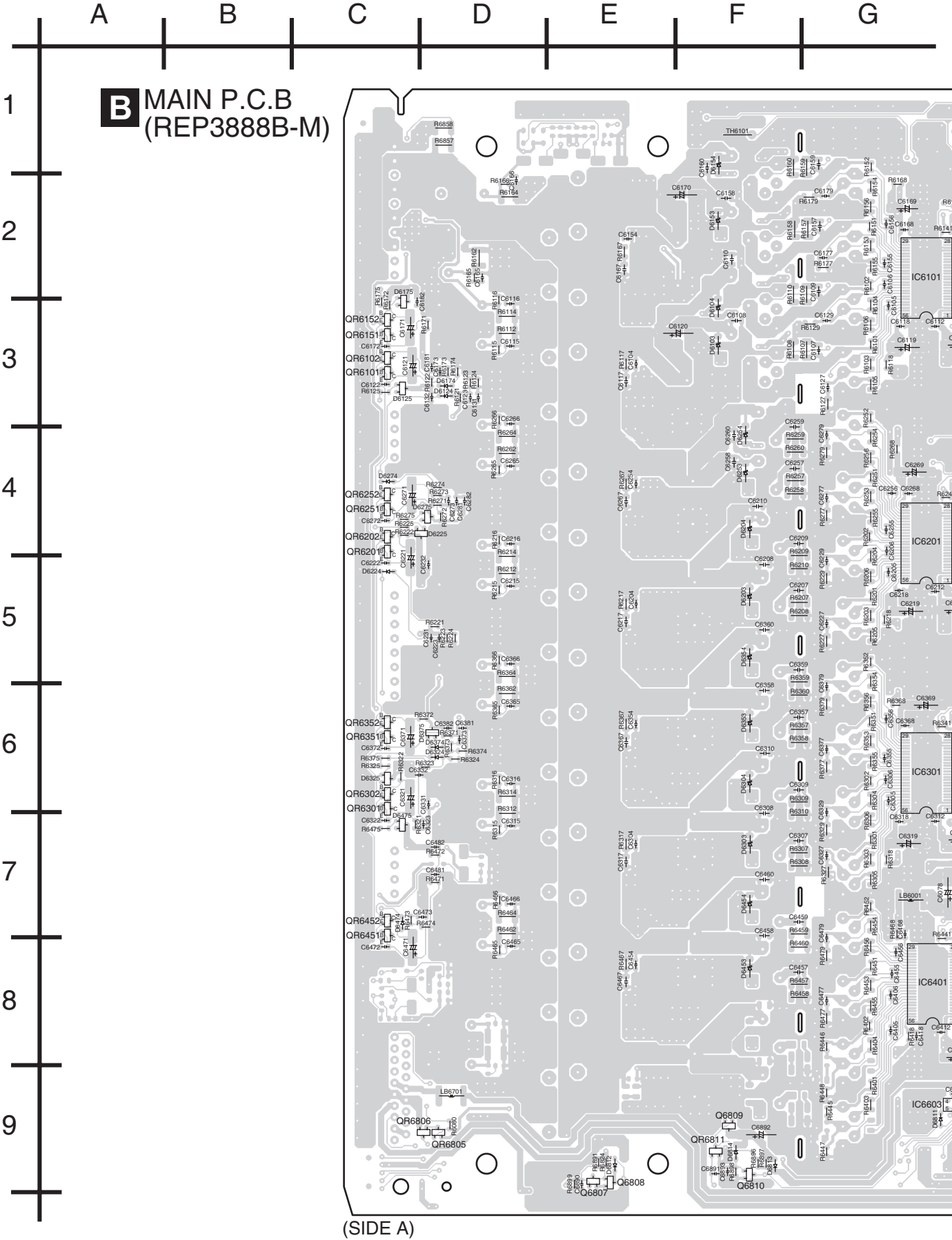
(SIDE B)

C INPUT P.C.B (REP3889B-S)

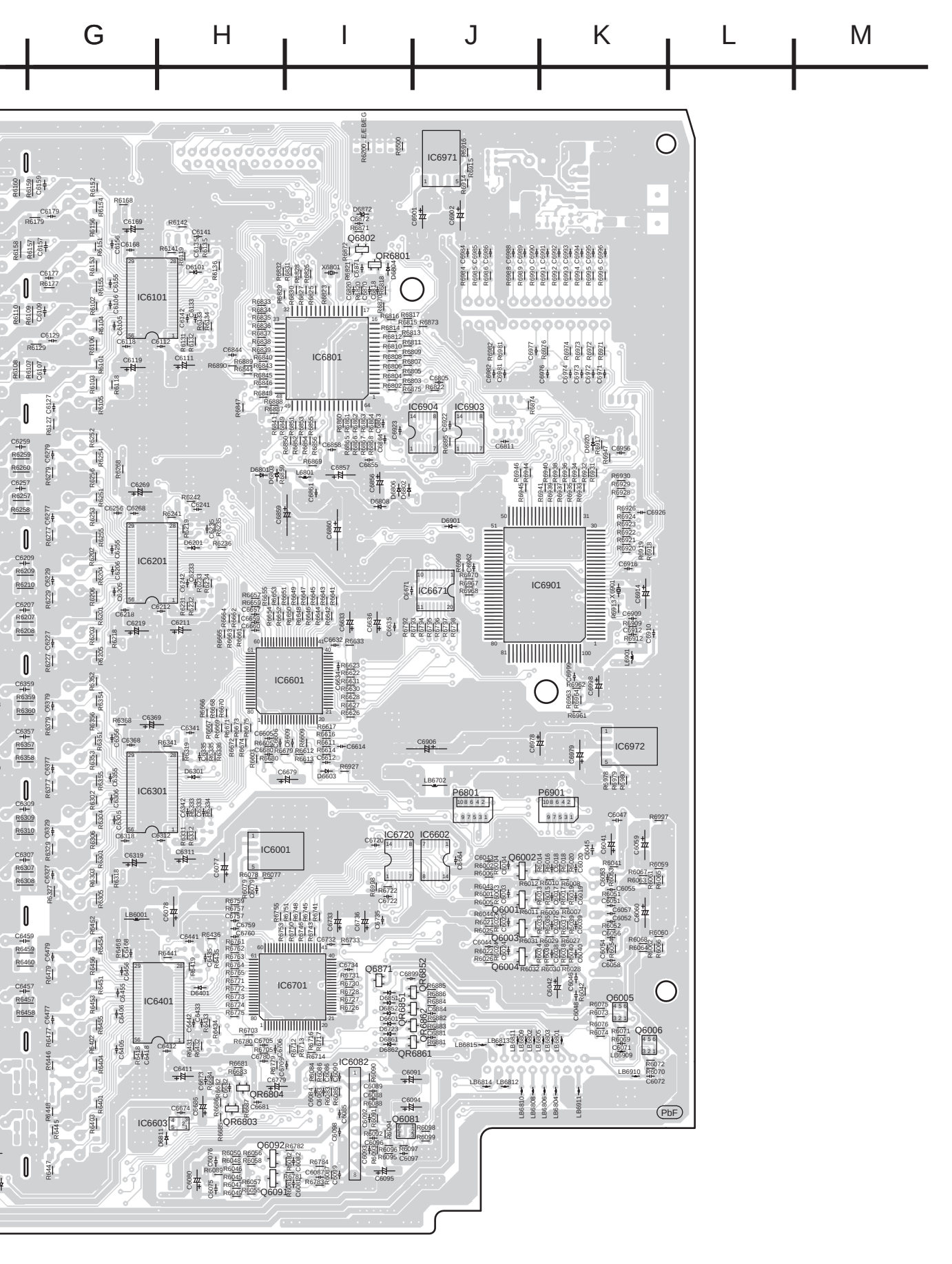



G
H
I
J
K
L
M
DVD REC OUT
DVD REC IN
VCR1 IN
TV/STB IN
JK404
JK405
Q501
IC501
IC502
IC503
Q502
IC504
IC505
IC506
IC507
IC508
IC509
Q503
Q405
Q506
Q406
JW1004
JW1001
P402
P301
P304A
P401
D405
D406
PbF

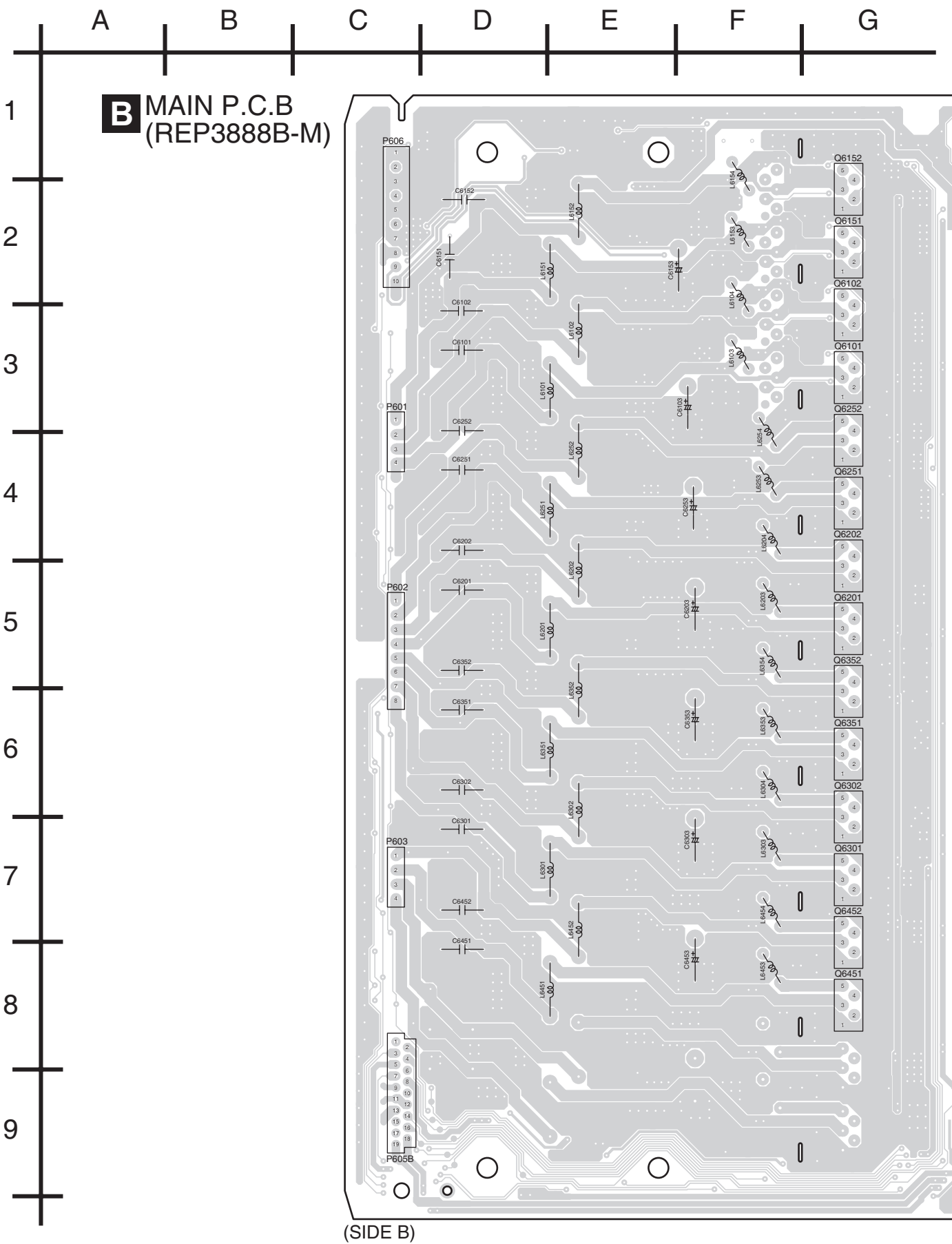
B MAIN P.C.B
(REP3888B-M)



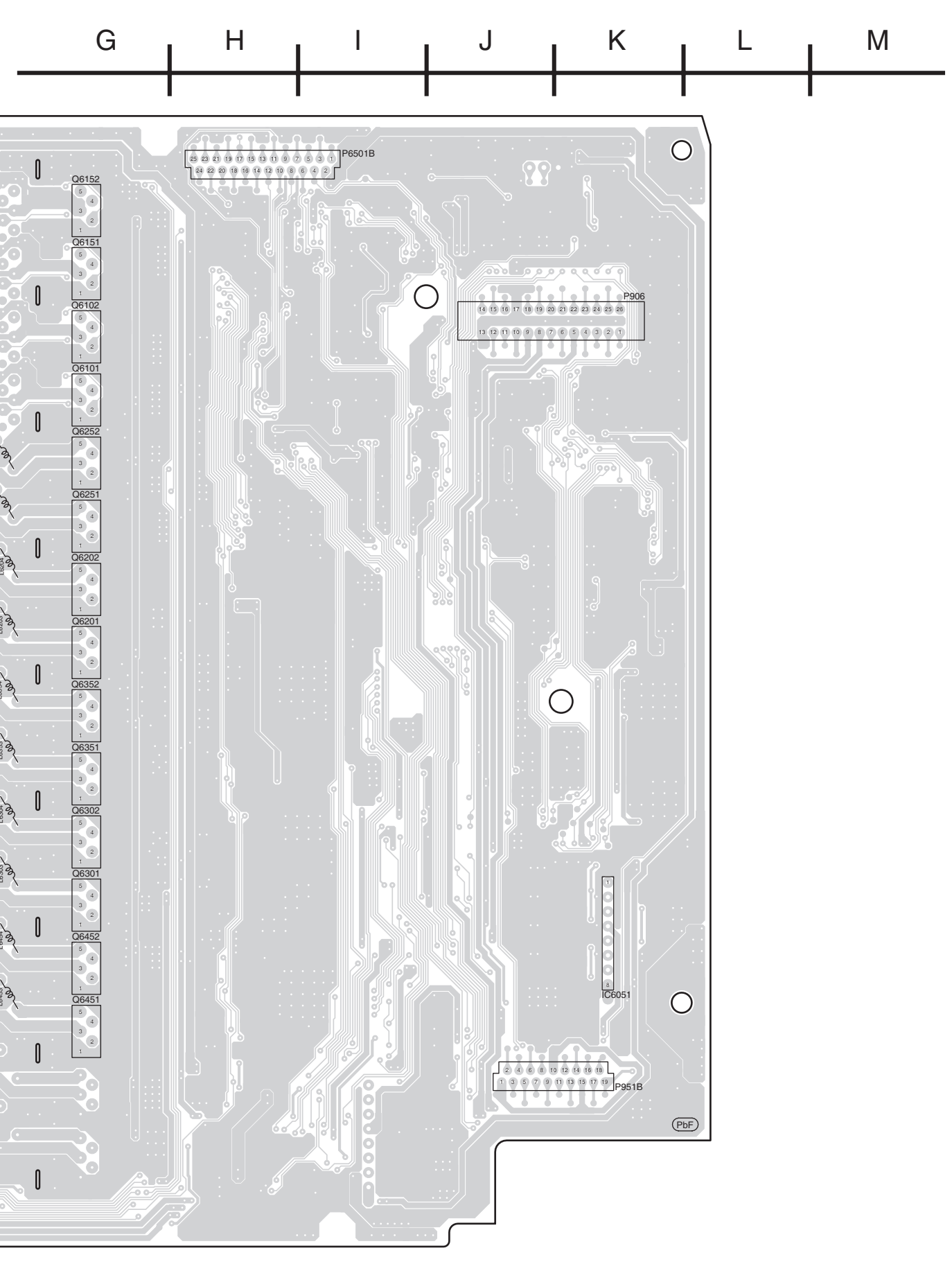
(SIDE A)


G
H
I
J
K
L
M
IC6971
IC6101
IC6801
IC6904
IC6903
IC6201
IC6901
IC6671
IC6601
IC6301
IC6001
IC6720
IC6602
IC6401
IC6701
IC6082
IC6603
IC6972
Q6802
QR6801
Q6001
Q6002
Q6003
Q6004
Q6005
Q6006
Q6871
QR6852
QR6851
QR6867
QR6861
QR6804
QR6803
Q6092
Q6091
Q6081
P6801
P6901
PbF

B MAIN P.C.B (REP3888B-M)



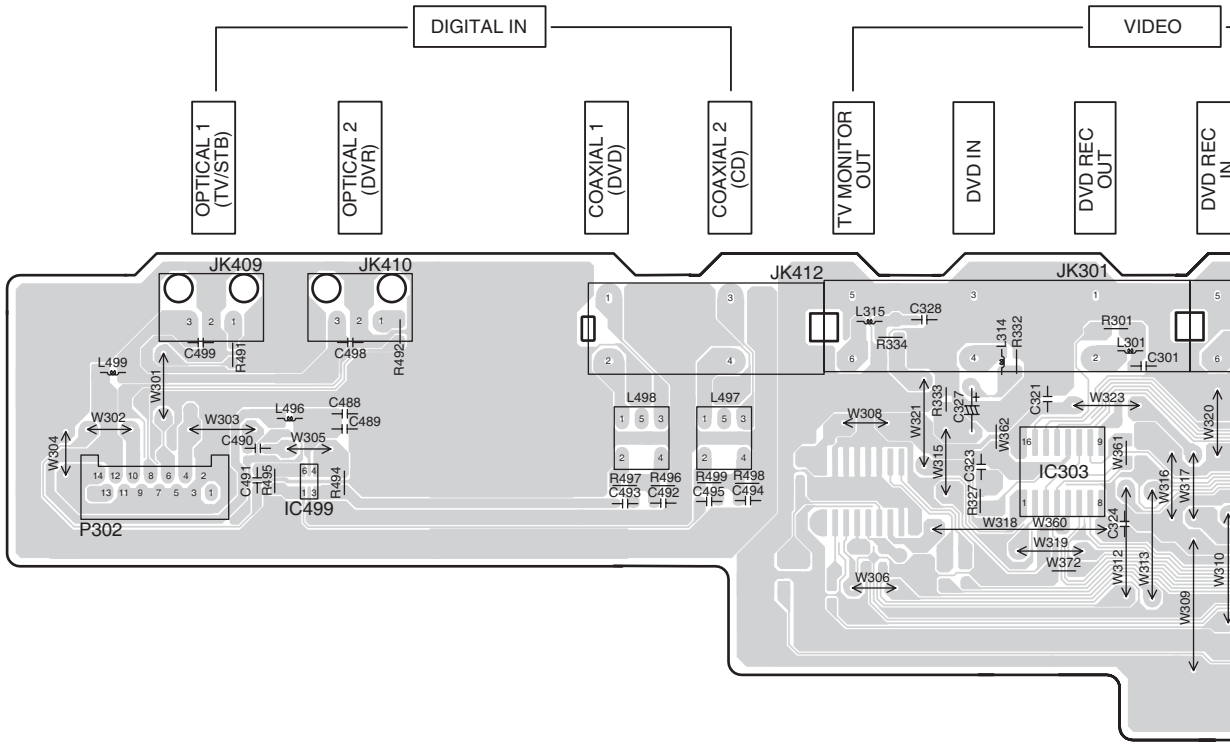
(SIDE B)


G
H
I
J
K
L
M
P6501B
Q6152
Q6151
Q6102
Q6101
Q6252
Q6251
Q6202
Q6201
Q6352
Q6351
Q6302
Q6301
Q6452
Q6451
P906
IC6051
P951B
PbF

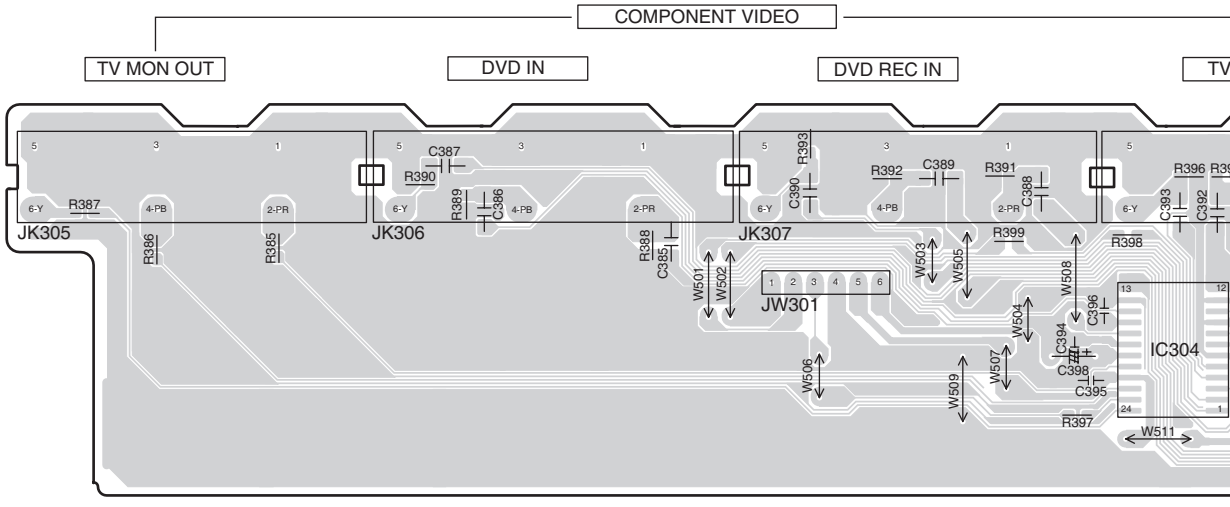
A B C D E F G

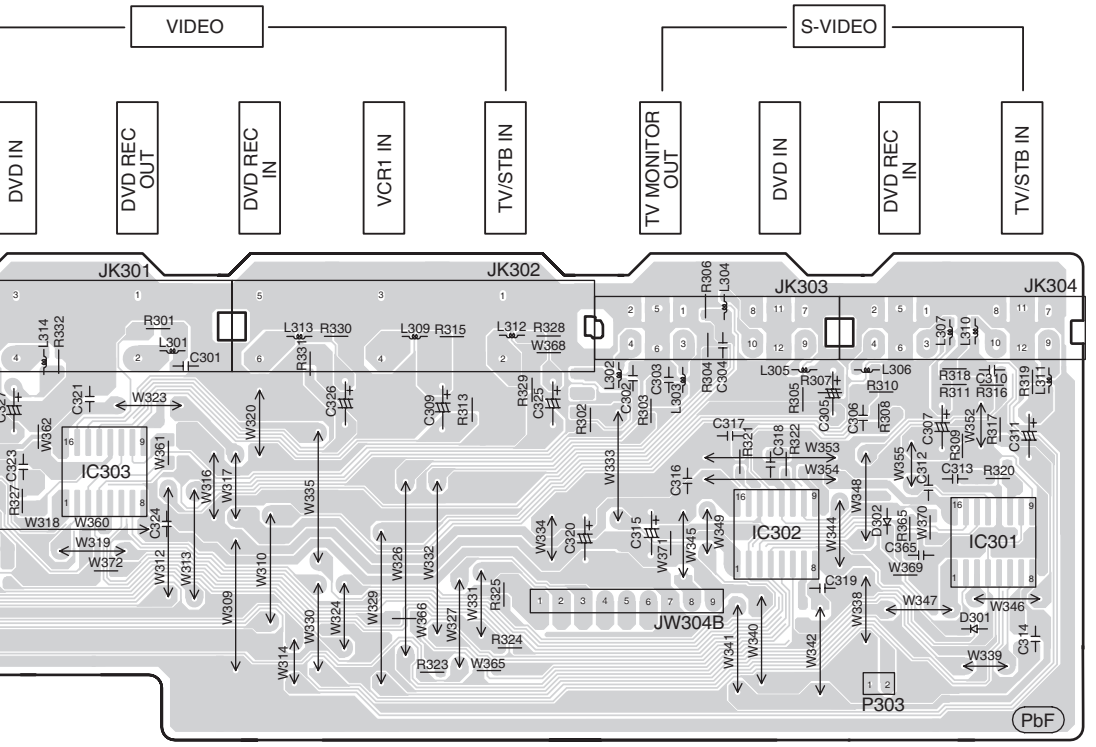
1 2 3 4 5 6 7 8 9

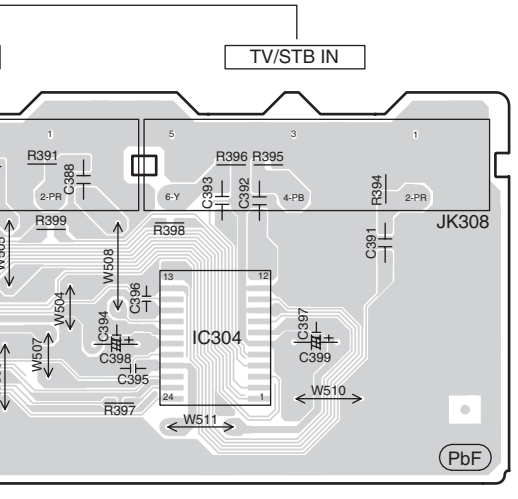
J VIDEO & OPTICAL P.C.B (REP3889B-S)



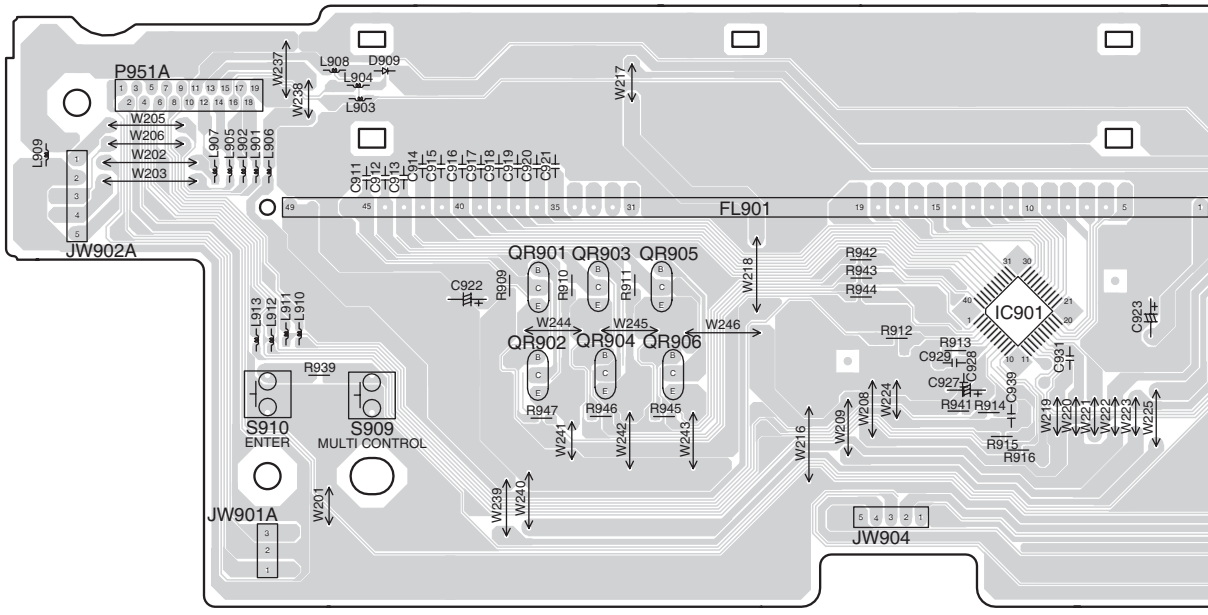
K COMPONENT VIDEO P.C.B (REP3889B-S)



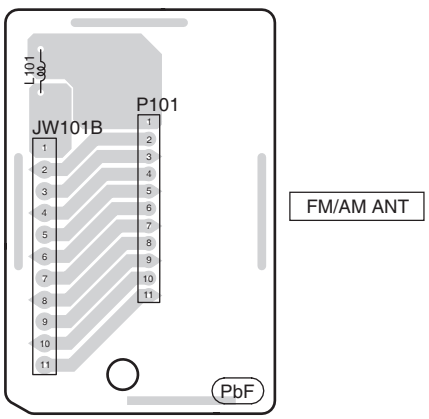

VIDEO
S-VIDEO
DVD IN
DVD REC OUT
DVD REC IN
VCR1 IN
TV/STB IN
TV MONITOR OUT
DVD IN
DVD REC IN
TV/STB IN
JK301
JK302
JK303
JK304
IC303
IC302
IC301
JW304B
P303
PbF

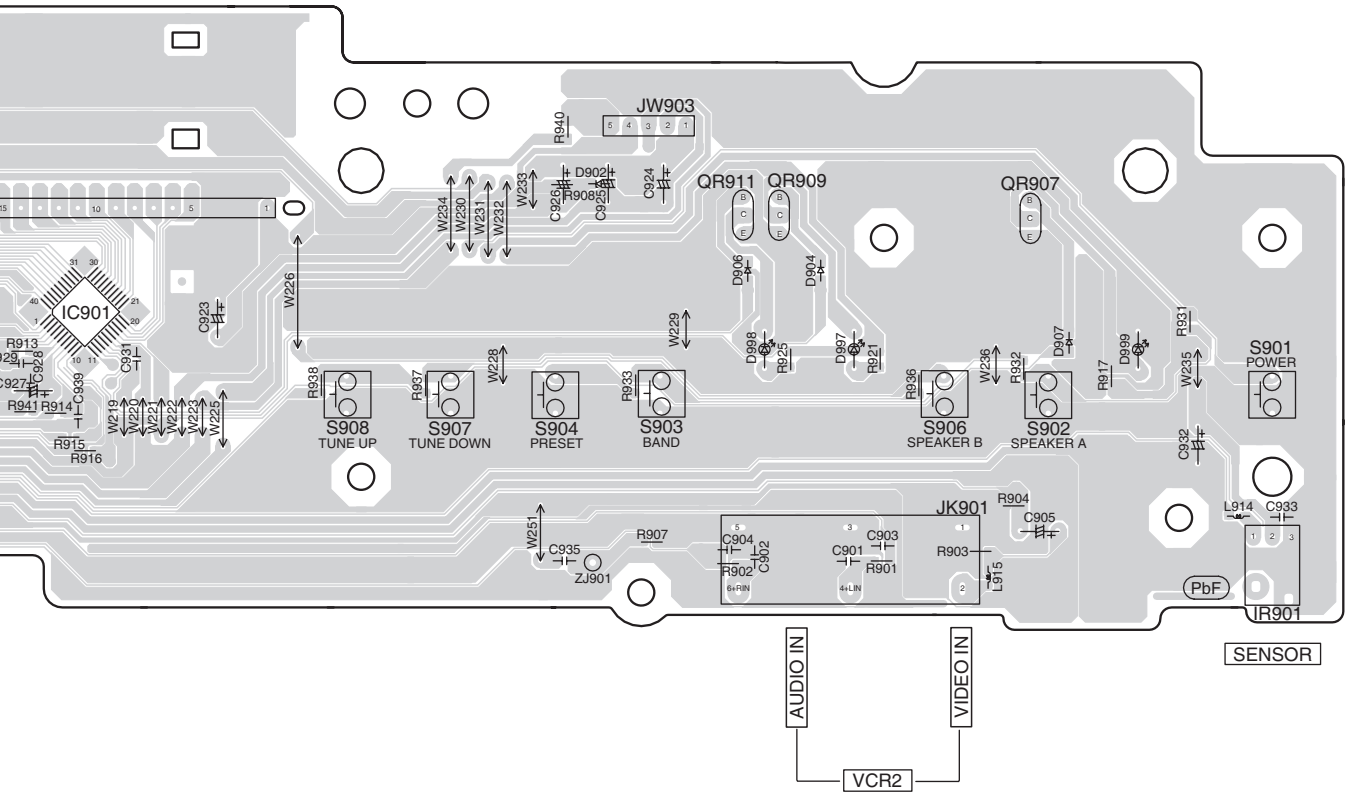

TV/STB IN
JK308
IC304
PbF

E PANEL P.C.B (REP3889B-S)

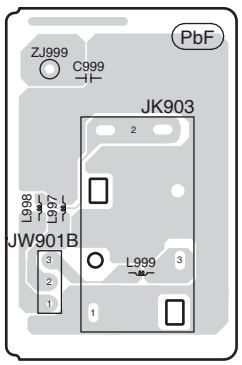


D TUNER EXTENT P.C.B (REP3889B-S)

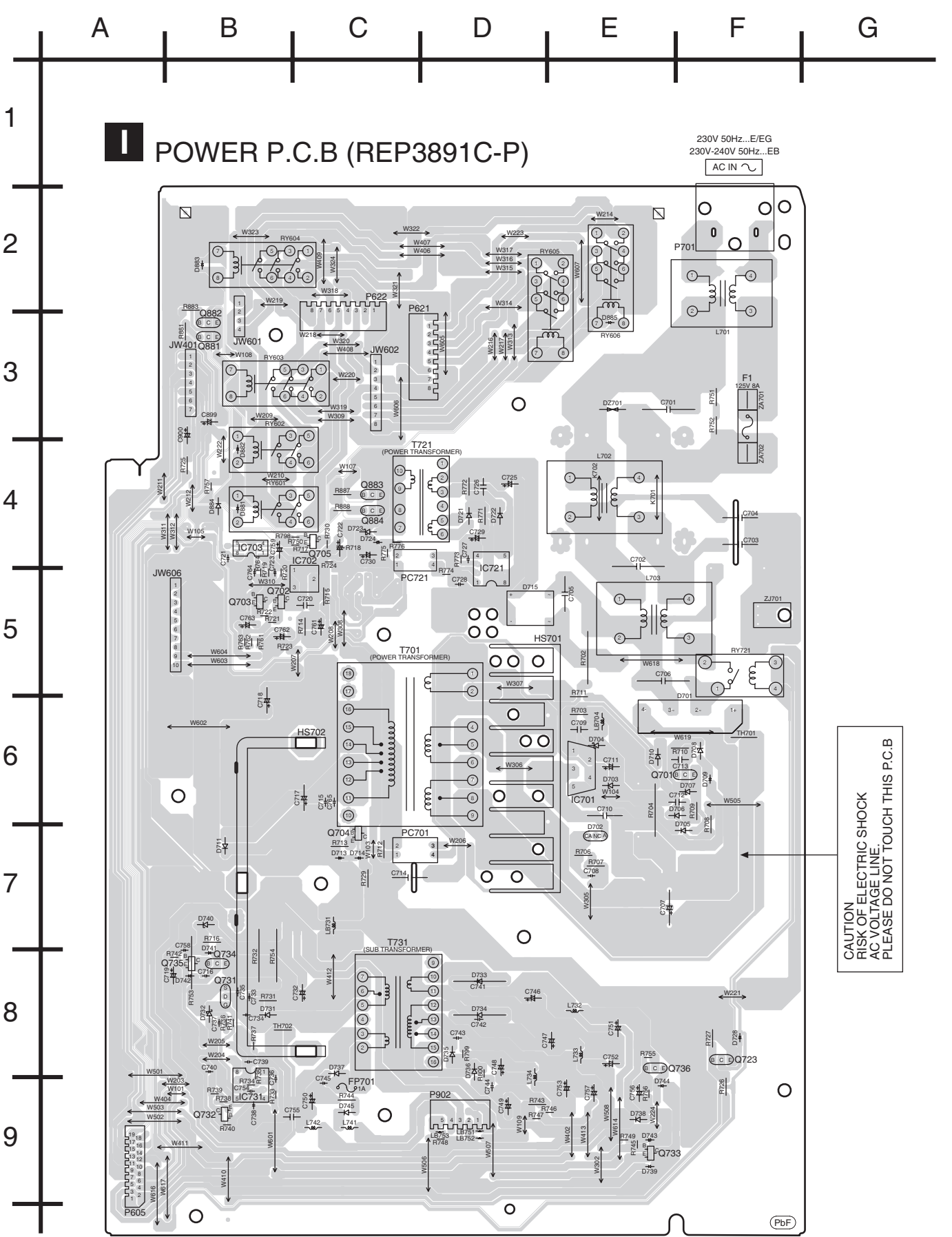




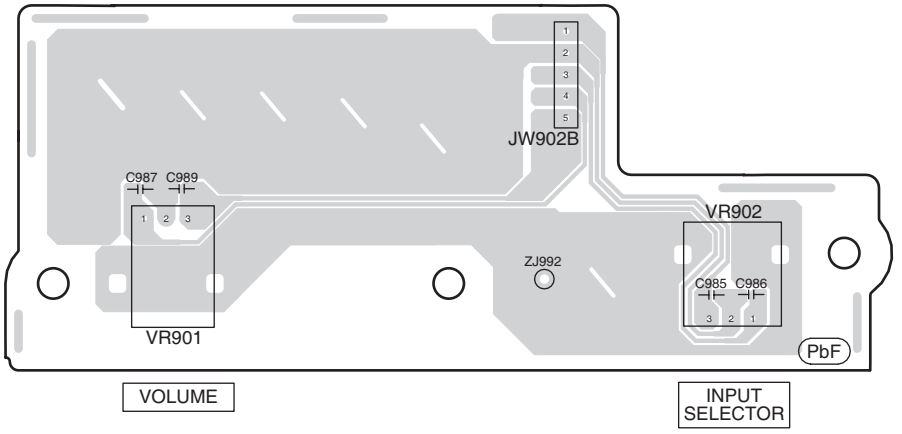
F HEADPHONE P.C.B (REP3889B-S)



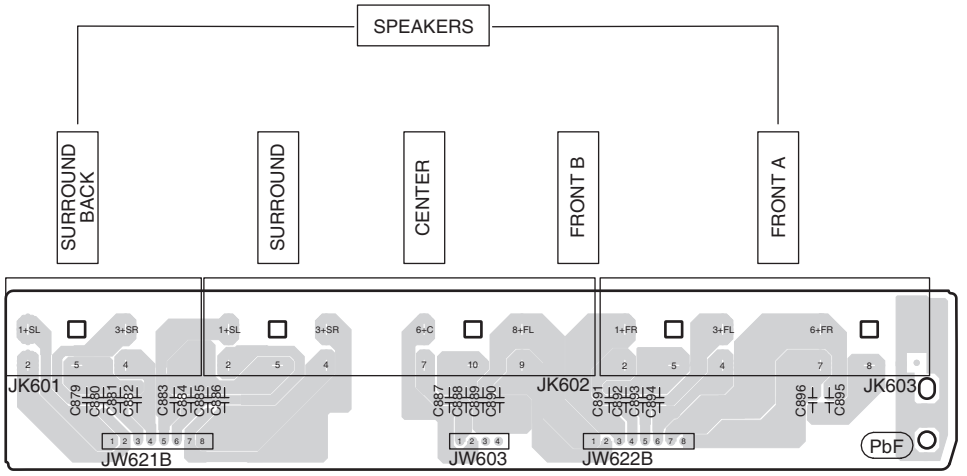
I POWER P.C.B (REP3891C-P)



G VOLUME P.C.B (REP3889B-S)



H SPEAKER P.C.B (REP3891C-P)

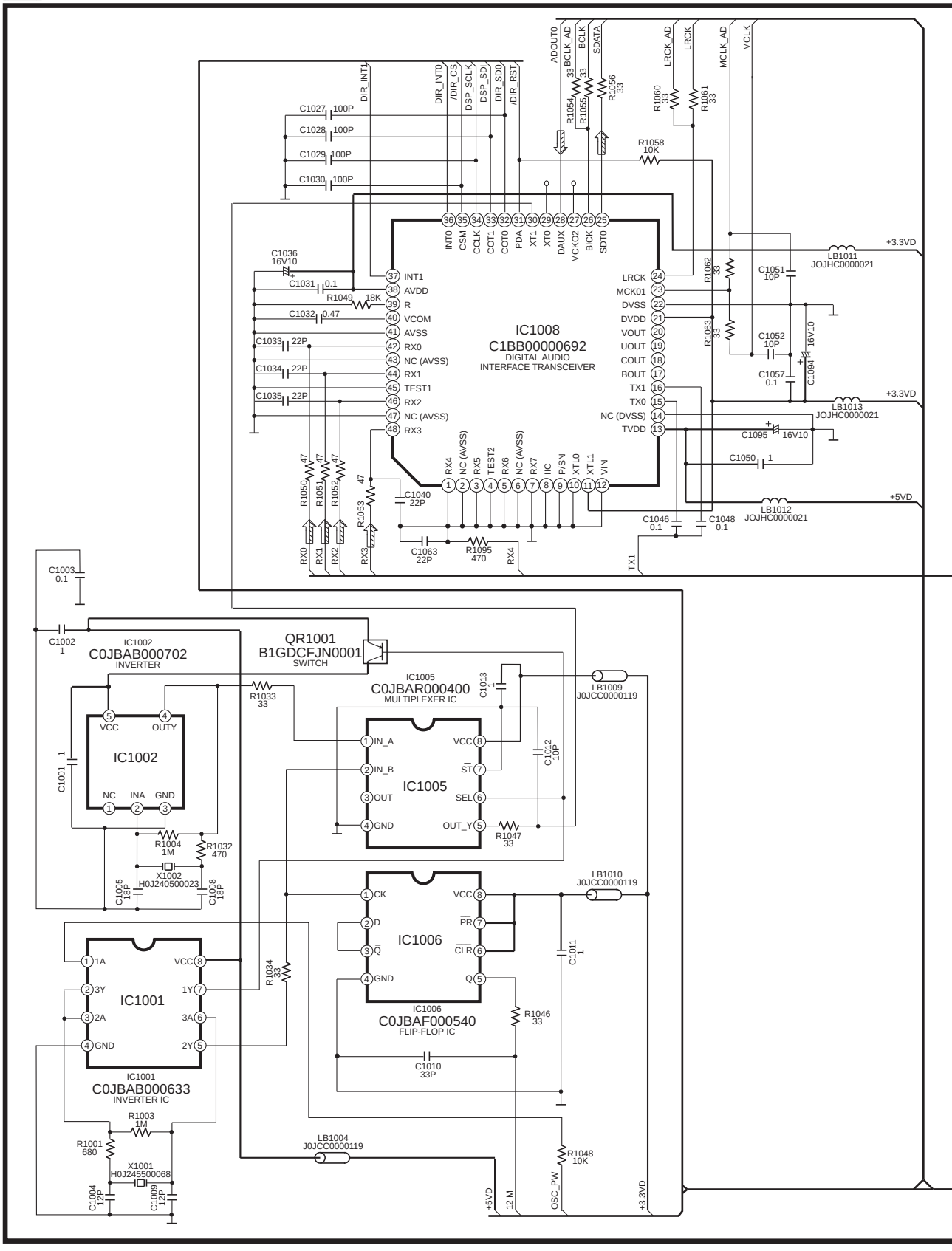


SCHEMATIC DIAGRAM - 1

A SIDE A SIDE B

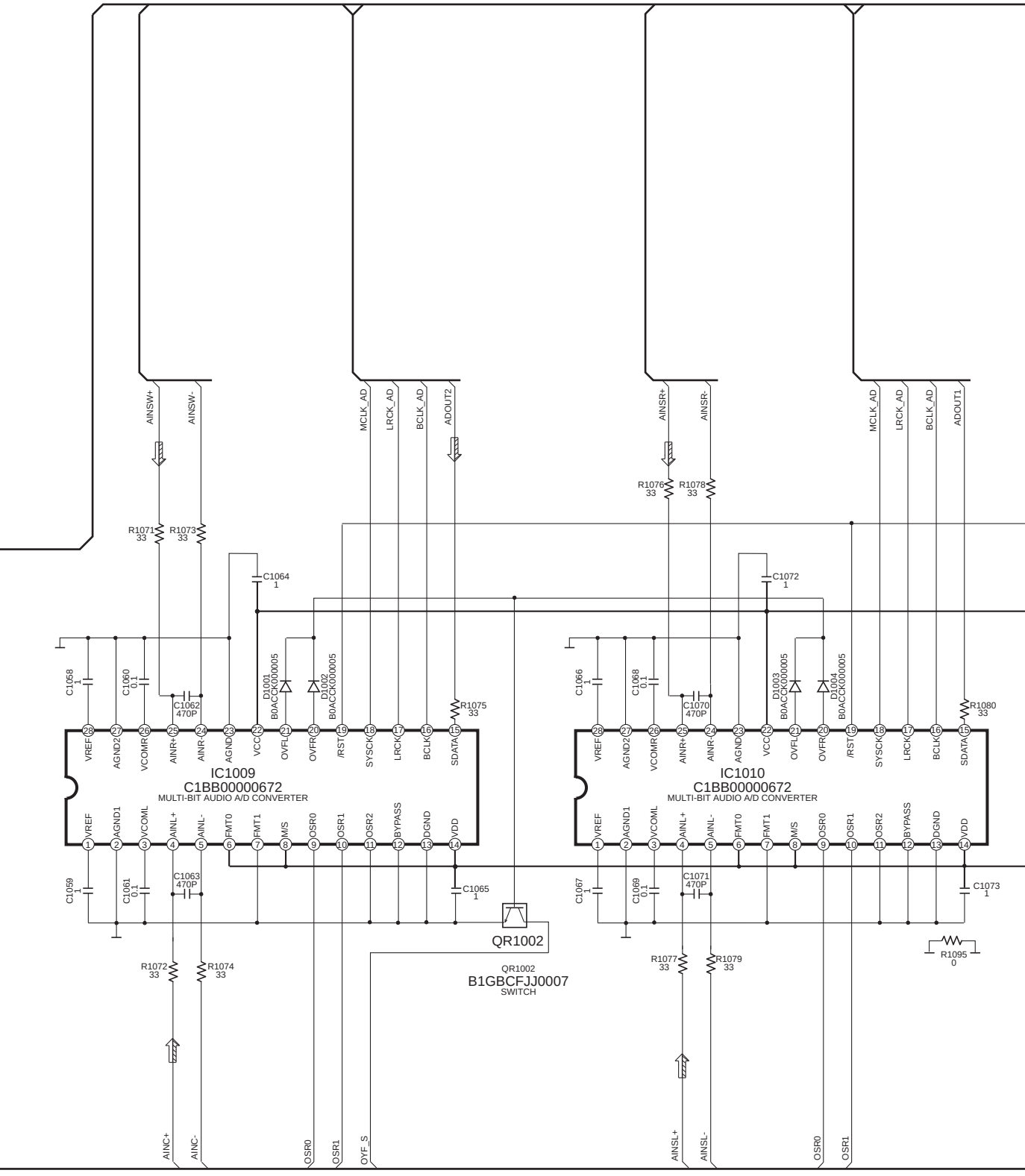
DSP CIRCUIT

——— : +B SIGNAL LINE ⇒ :MAIN SIGNAL LINE



A DSP CIRCUIT

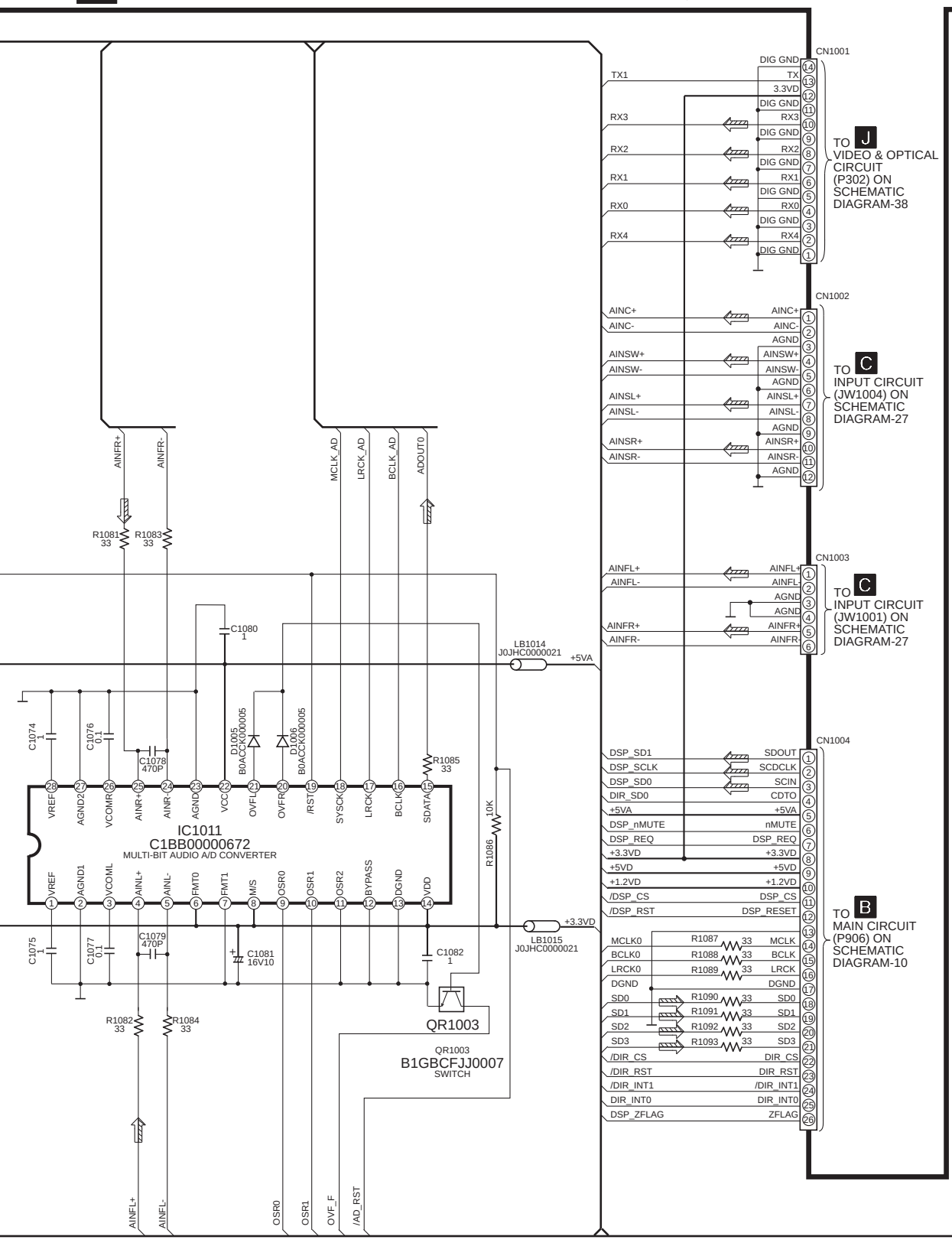
——— : +B SIGNAL LINE ⇨ :MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 3

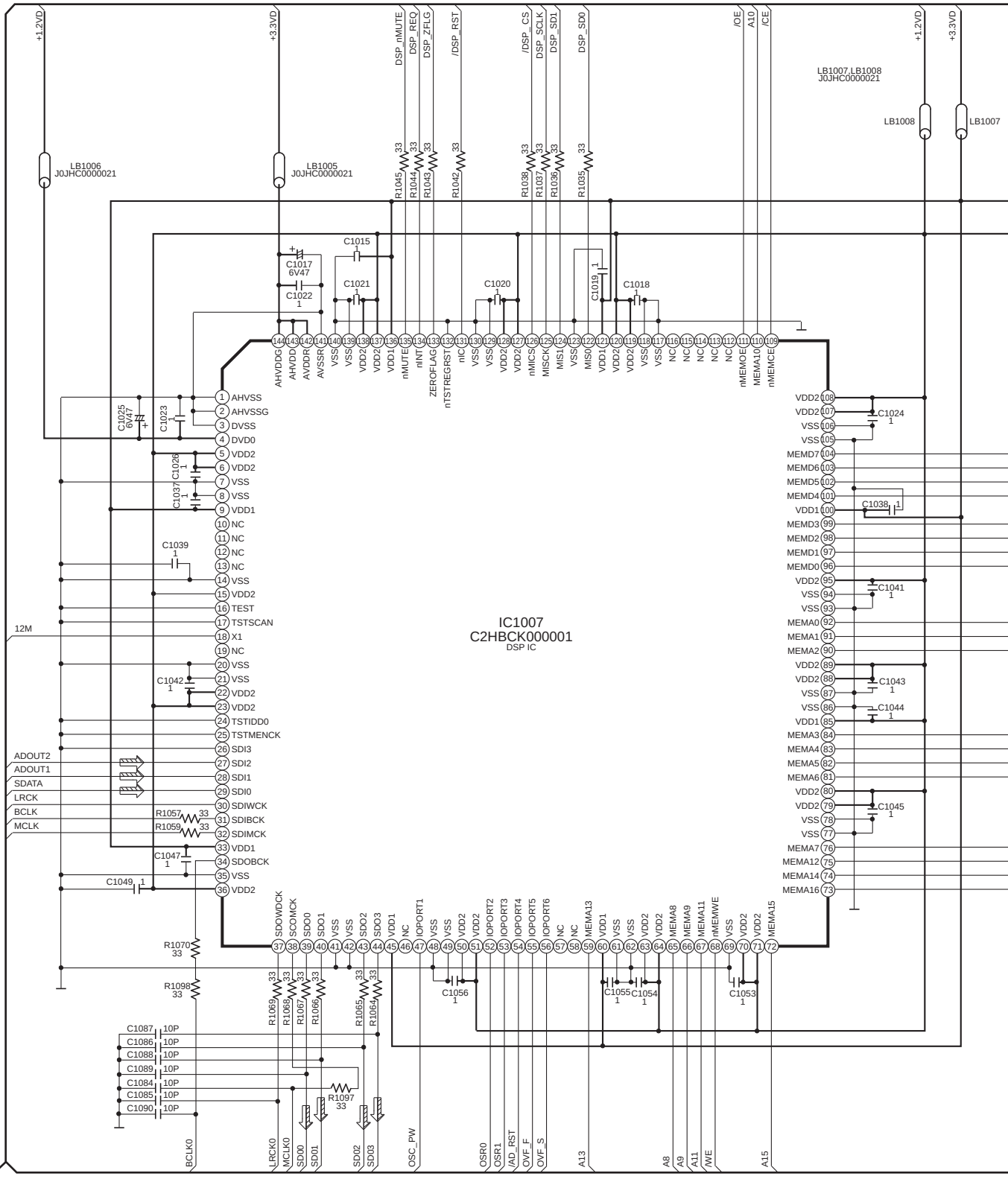
A DSP CIRCUIT

: +B SIGNAL LINE :MAIN SIGNAL LINE



A DSP CIRCUIT

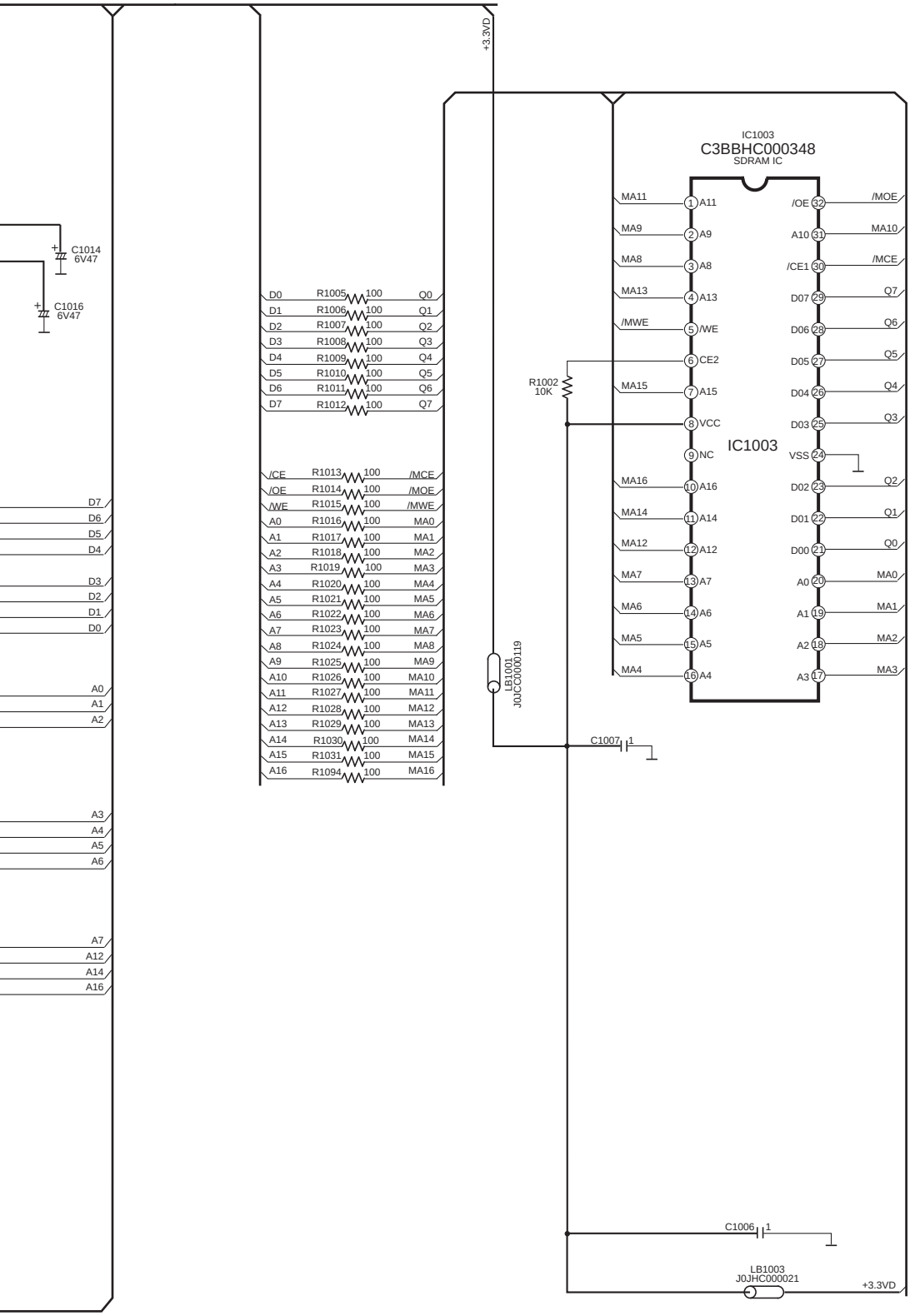
: +B SIGNAL LINE :MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 5

A DSP CIRCUIT

——— : +B SIGNAL LINE



SCHEMATIC DIAGRAM -6

B SIDE A SIDE B
MAIN CIRCUIT

—— : + B SIGNAL LINE
⇨ : MAIN SIGNAL LINE

TO **C** INPUT CIRCUIT (P6501A) ON SCHEMATIC DIAGRAM-28

P6501B

25 V_A
24 V_B
23 V_C
22 OSD_CLK
21 OSD_DATA
20 OSD_STB
19 DCDET
18 SW_OUT
17 MMD
16 ATT
15 VCR_REC
14 AGND
13 RDS_DATA
12 SEL_STB
11 RDS_CLK
10 SEL_DATA
9 TUN_SD
8 SEL_CLK
7 TUN_CE
6 TUN_ST
5 MUT_2ND
4 STB SEL2
3 /TAPE_REC_MUTE
2 STB SEL1
1 BEAT_PRF

VCR_REC
RDS_DATA
RDS_CLK
TUN_SD
TUN_CE
TUN_ST
TAPE_REC
BEAT_PRF

VIDEO_A
VIDEO_B
VIDEO_C
OSD_CLK
OSD_DATA
OSD_STB
DCDET
MMD
SEL_STB
SEL_DATA
SEL_CLK

TO **E** PANEL CIRCUIT (P951A) ON SCHEMATIC DIAGRAM-30

P951B

1	GND		
2	SEL_ENCA	LB6815	
3	SEL_ENCB	LB6814	
4	KEY2	LB6813	
5	KEY1	LB6812	
6	ENC2	LB6811	ENC2
7	+5VD	LB6810	
8	ENC1	LB6809	ENC1
9	+5.7VBKUP	LB6808	
10	GND		
11	FL_RST	LB6806	FL_RST
12	FL_CS	LB6805	FL_CS
13	FL_CLK	LB6804	FL_CLK
14	FL_DATA	LB6803	FL_DATA
15	GND	LB6802	
16	RMT	LB6801	
17	HP_GND	LB6911	
18	HP_R	LB6910	HP_R
19	HP_L	LB6909	HP_L

LB6801 - LB6815,
LB6909 - 6911
J0JBC0000014

D6802 B0ACCE000003
D6801 B0ACCE000003
D6903 B0JCCE000002

FL_CLK
FL_DATA
FL_STB
FL_RST

C6855 0.01
C6856 10V22
C6861 0.001
C6860 6V1000
D6803
C6859 6V1000
R6859 680
C6858 0.1
C6857 6V100
L6801 G1C4R7MA0098

R6865 10K
R6866 10K
R6867 10K
R6868 10K
R6869 10K
R6822 10K

M_RST

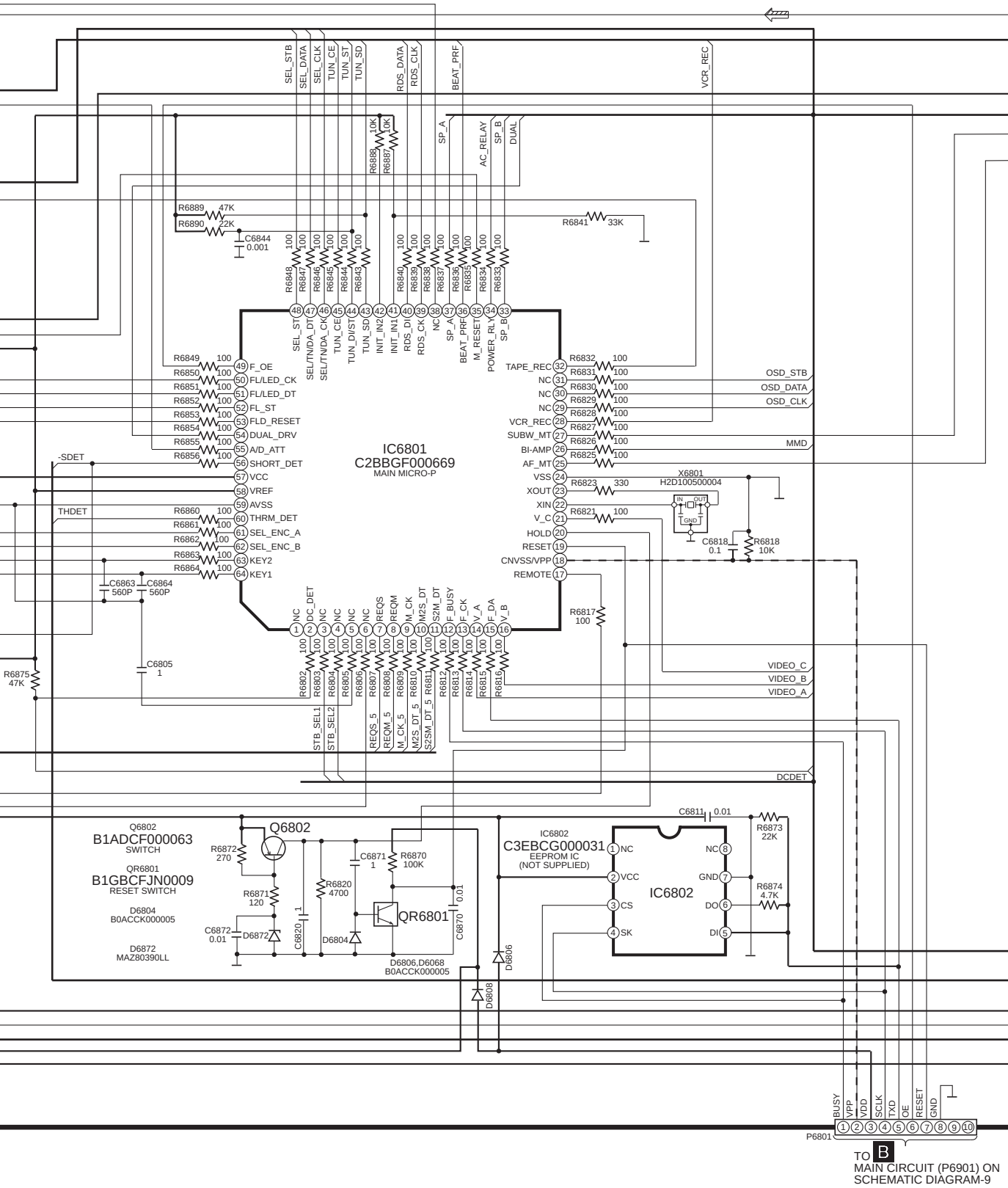
SCHEMATIC DIAGRAM -7

B MAIN CIRCUIT

– – – :-B SIGNAL LINE

——— :+ B SIGNAL LINE

⇒ : MAIN SIGNAL LINE



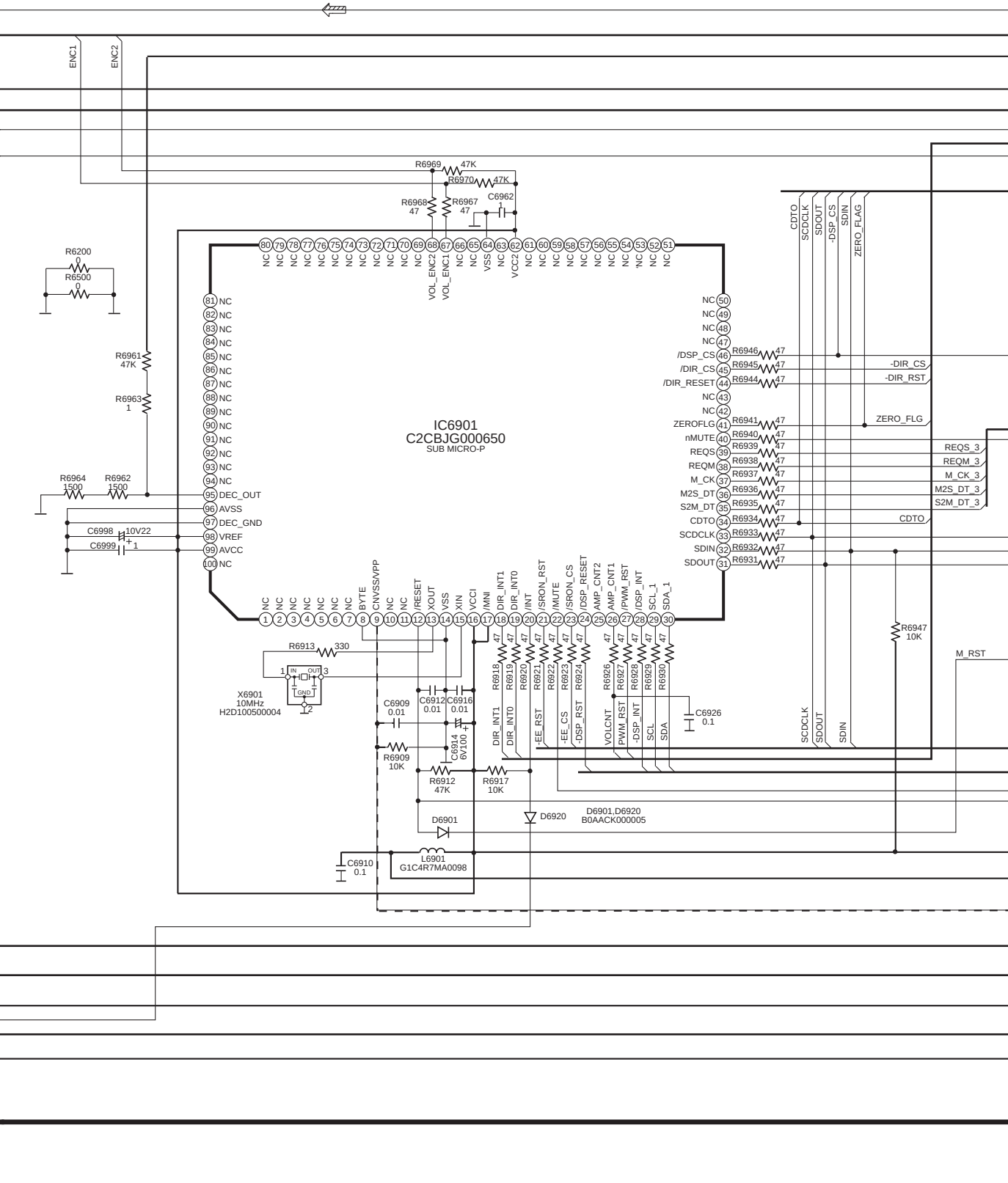
TO B MAIN CIRCUIT (P6901) ON SCHEMATIC DIAGRAM-9

SCHEMATIC DIAGRAM -8

B MAIN CIRCUIT

– – – :-B SIGNAL LINE

——— :+ B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

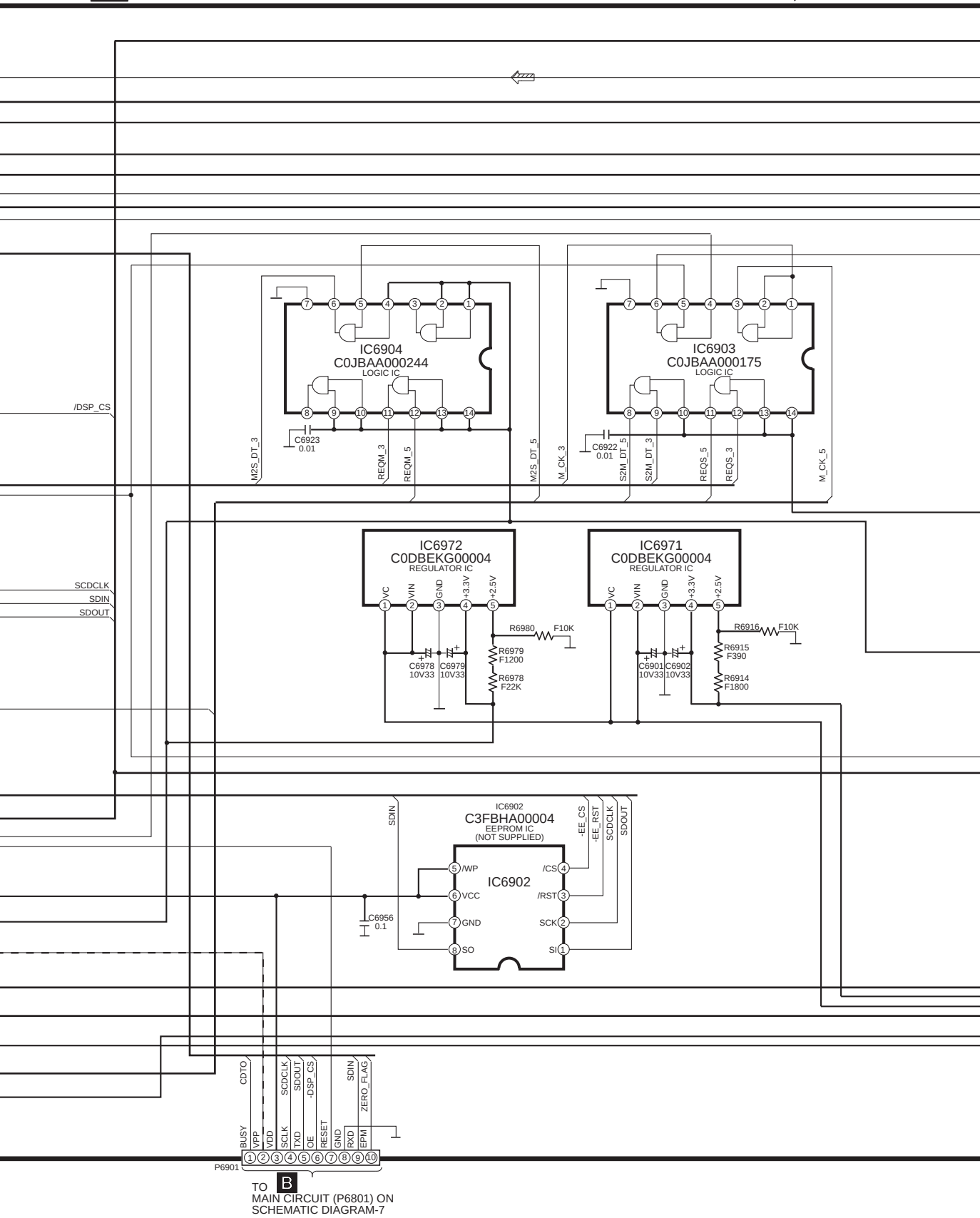


SCHEMATIC DIAGRAM -9

B MAIN CIRCUIT

– – – :-B SIGNAL LINE

——— :+ B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

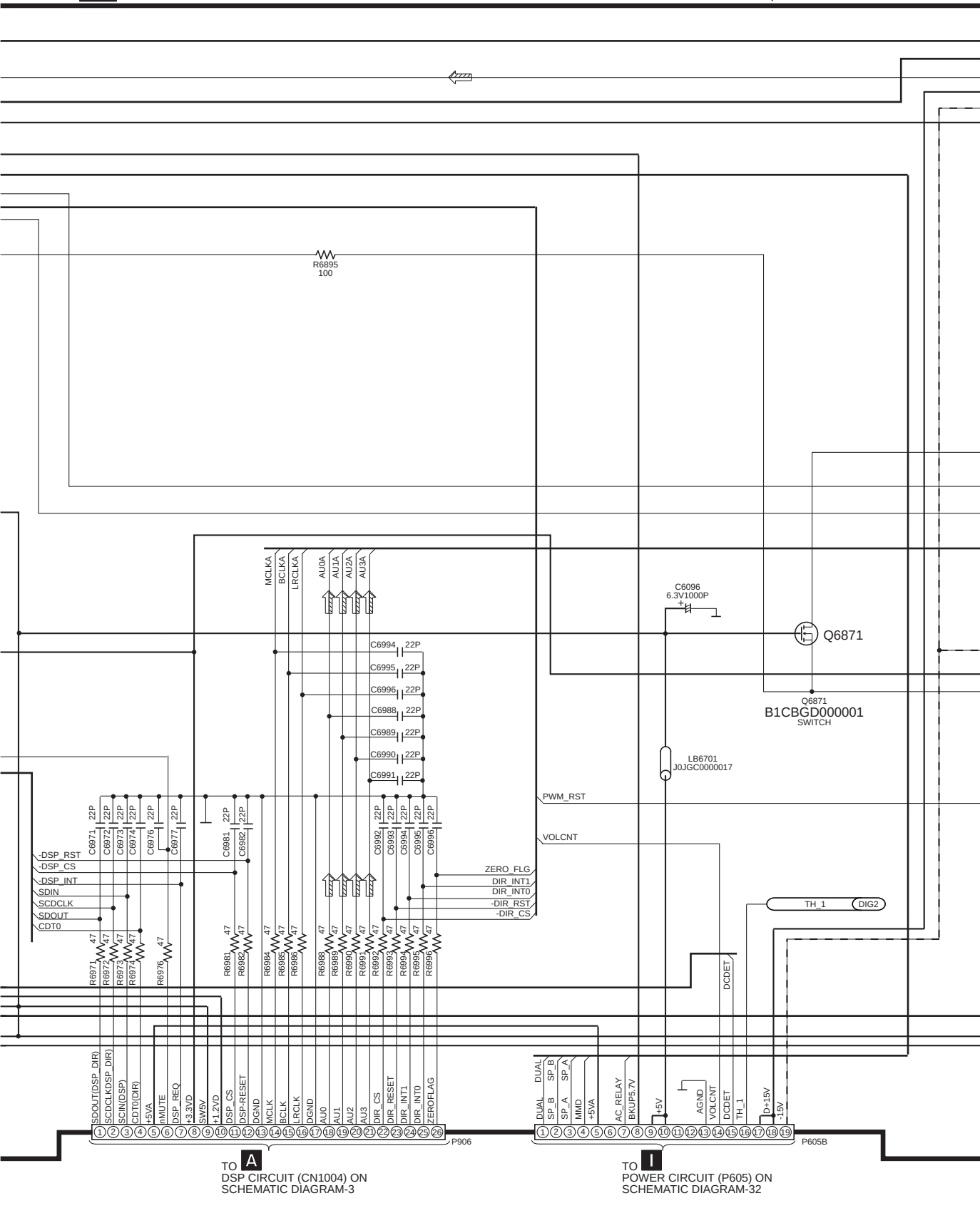


SCHEMATIC DIAGRAM -10

B MAIN CIRCUIT

- - - :-B SIGNAL LINE

——— :+ B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

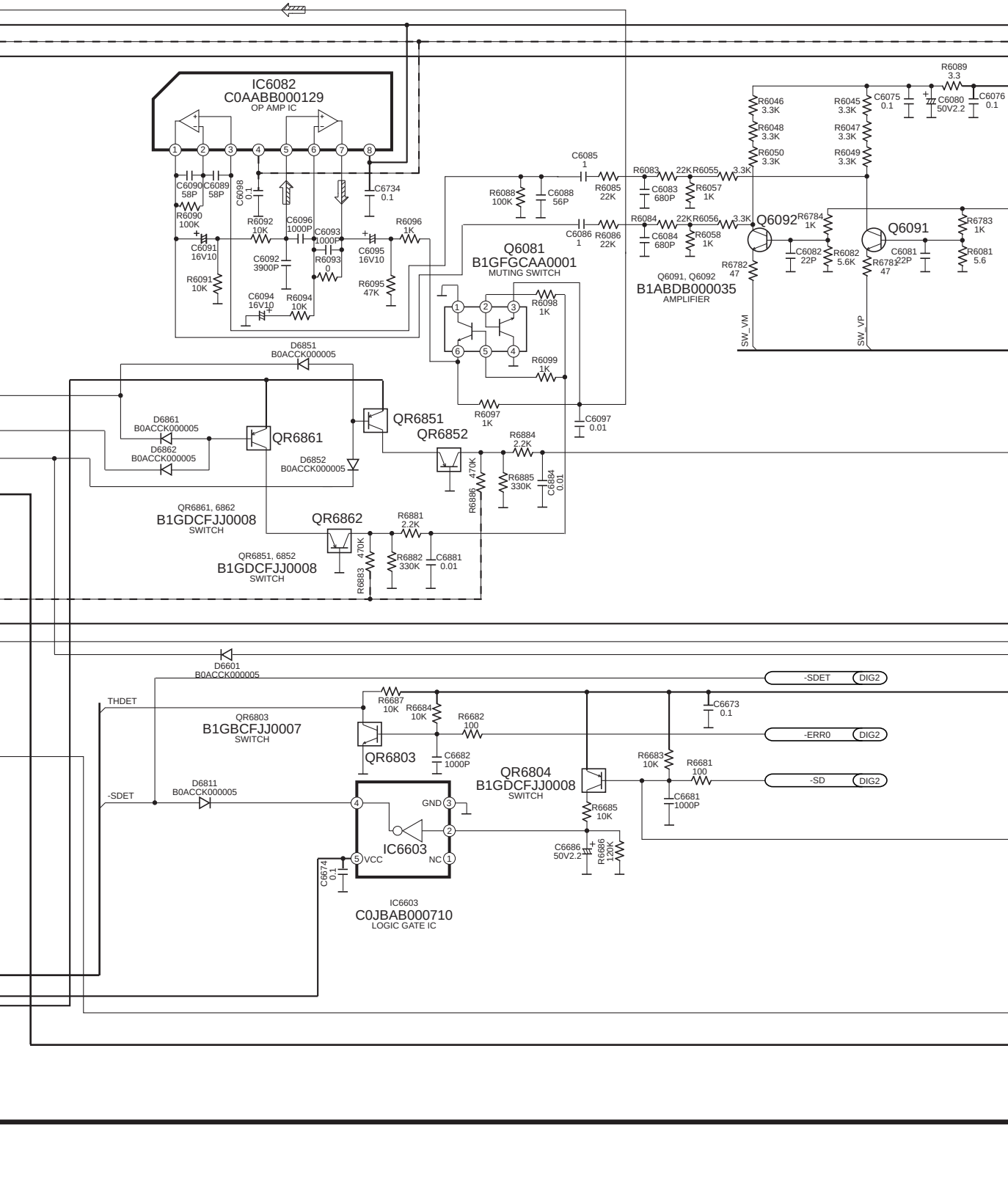


SCHEMATIC DIAGRAM -11

B MAIN CIRCUIT

- - - :-B SIGNAL LINE

——— :+ B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



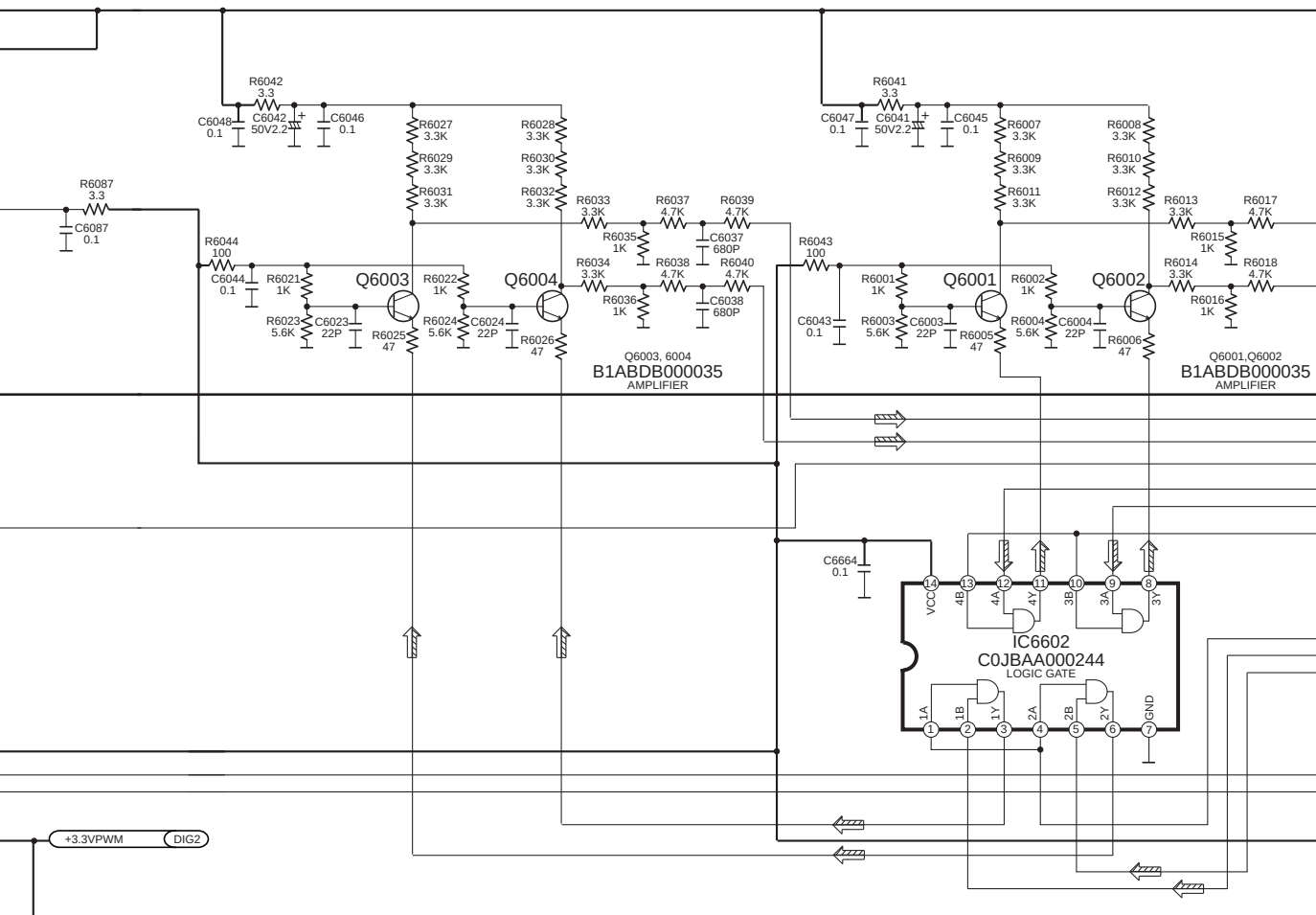
SCHEMATIC DIAGRAM -12

B MAIN CIRCUIT

– – – :-B SIGNAL LINE

——— :+ B SIGNAL LINE

⇒ : MAIN SIGNAL LINE



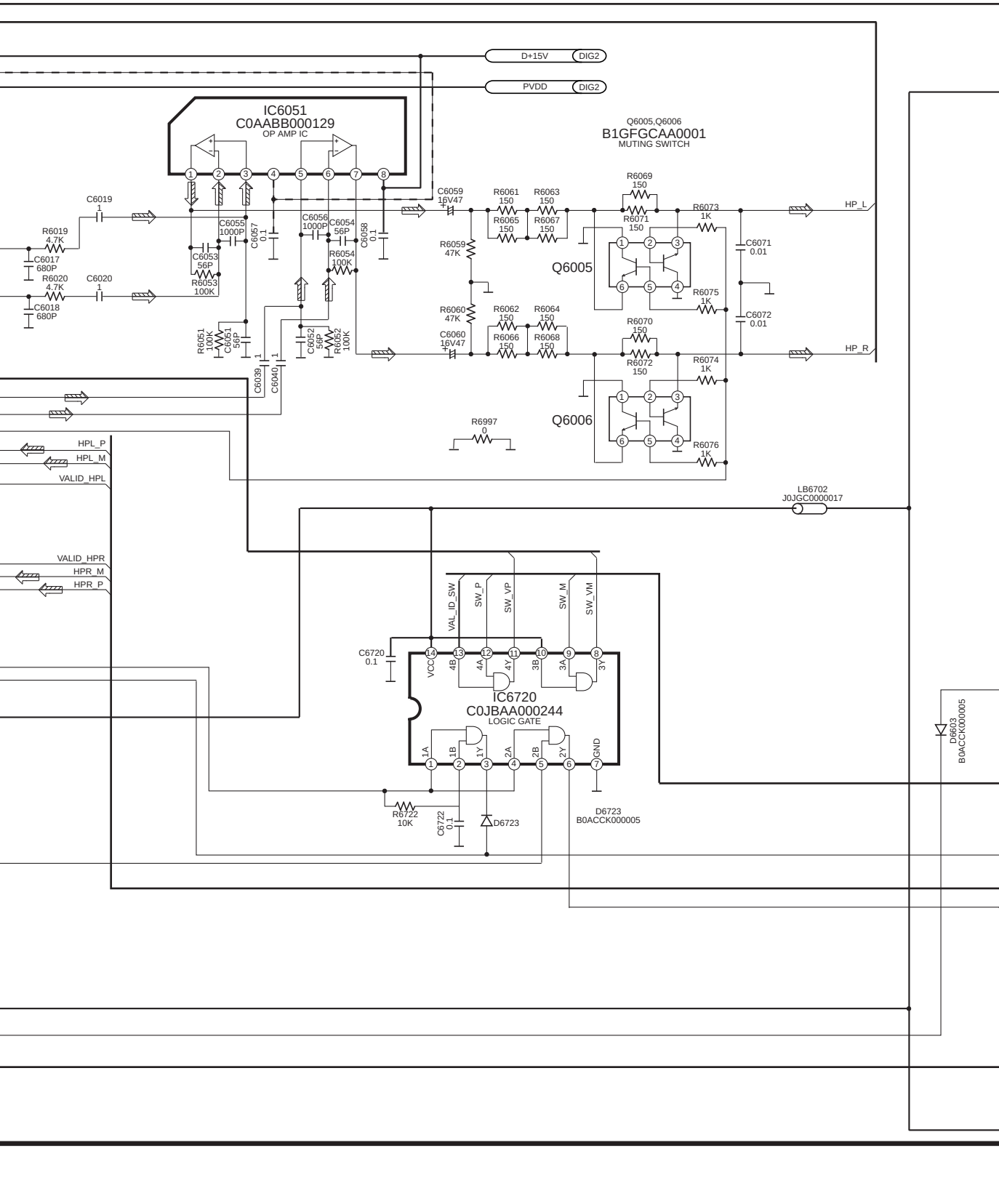
SCHEMATIC DIAGRAM -13

B MAIN CIRCUIT

- - - :-B SIGNAL LINE

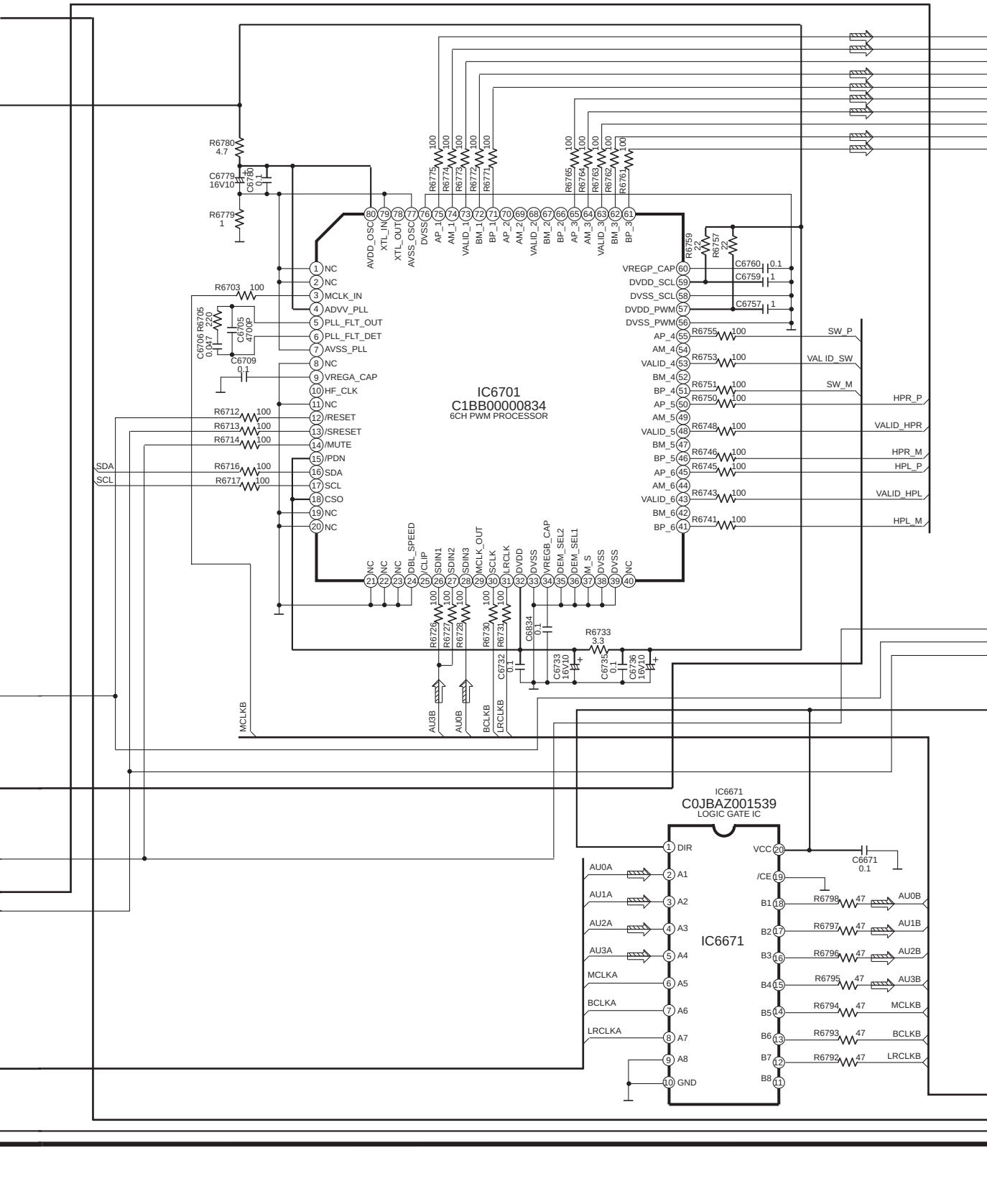
——— :+ B SIGNAL LINE

⇨ : MAIN SIGNAL LINE



B MAIN CIRCUIT

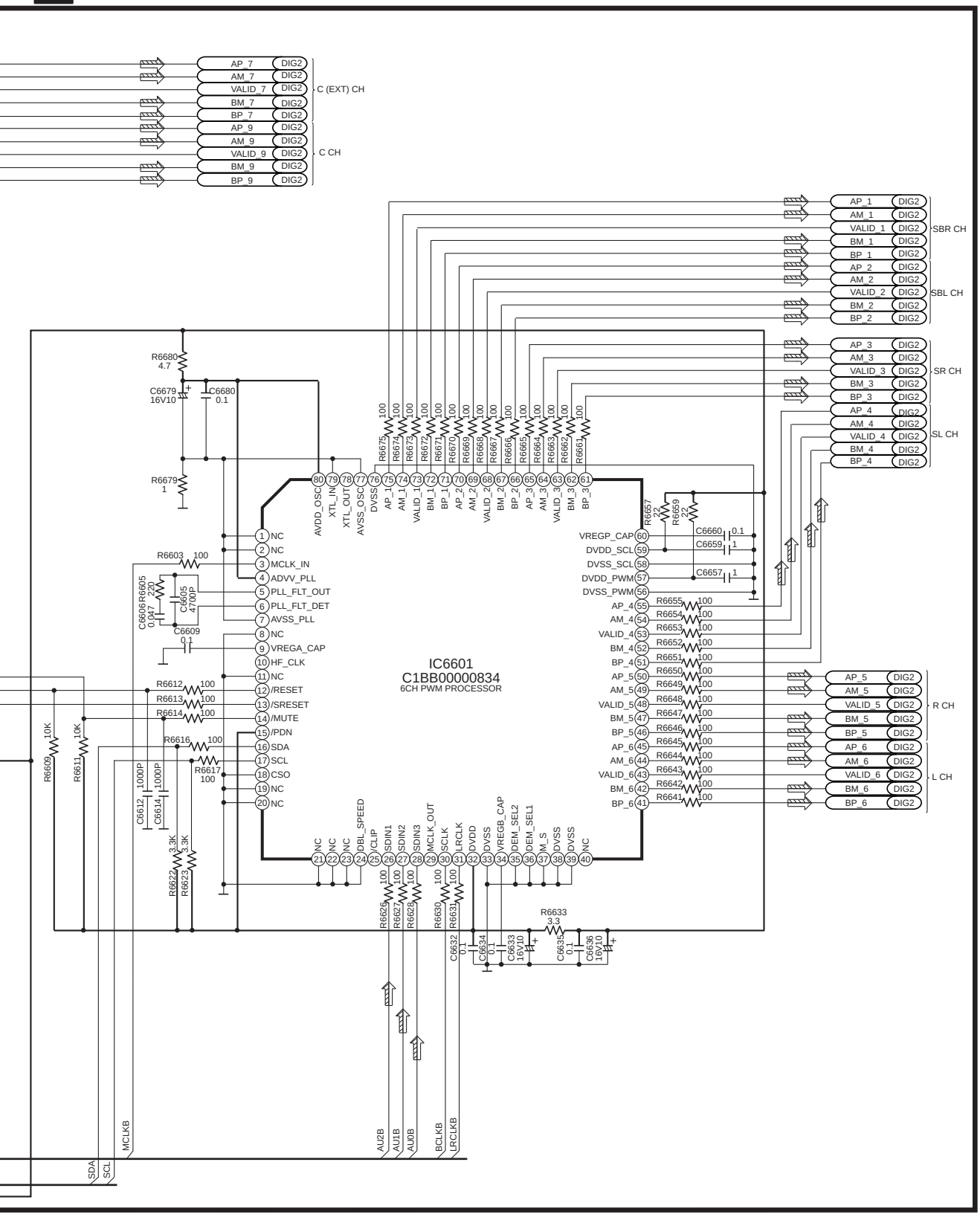
:+ B SIGNAL LINE : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM -15

B MAIN CIRCUIT

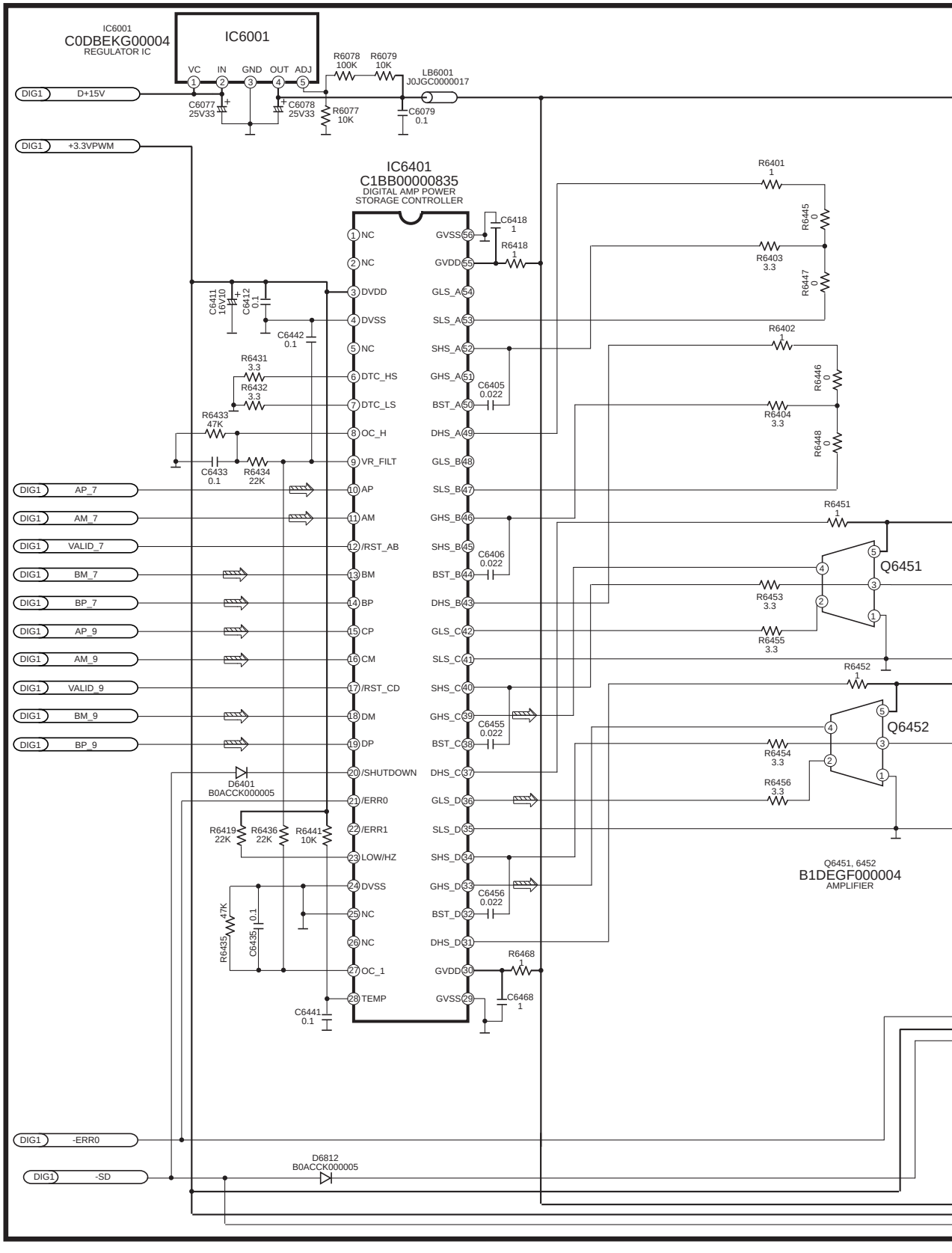
:+ B SIGNAL LINE : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM -16

B MAIN CIRCUIT

—— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM -17

B MAIN CIRCUIT

: +B SIGNAL LINE

: MAIN SIGNAL LINE

TO I POWER CIRCUIT (JW606) ON SCHEMATIC DIAGRAM-32

TO H SPEAKER CIRCUIT (JW603) ON SCHEMATIC DIAGRAM-31

P606 10 9 8 7 6 5 4 3 2 1

P603 4 3 2 1 C+ C-

DIG1 PVDD

C6481 1000P

C6482 1000P

L6453

C6457 0.01

D6453

C6458 0.1

L6451 G0C7R0K00003

C6453 50V1000

C6454 1000P

R6457 2.7

R6458 2.7

C6451 0.47

R6462 47K

R6465 47

C6465 680P

R6467 3.3

C6467 0.01

R6477 5.6

C6477 330P

L6454

C6459 0.01

D6454

C6460 0.1

L6452 G0C7R0K00003

R6459 2.7

R6460 2.7

C6452 0.47

R6464 47K

R6466 47

C6466 680P

R6479 5.6

C6479 330P

D6453, 6454 B0JCMG000016

L6453, 6454 G0C50NZ00001

QR6451, QR6452 B1GBCFQQ0002 SWITCH

QR6451

QR6452

R6471 220K

R6472 220K

C6472 1000P

C6471 16V10

C6473 330P

R6473 22K

D6474 B0ACCK000005

R6474 22K

R6475 10K

D6475 B0ACEM000009

Q6808 B1ABCF000079 SWITCH

Q6809 B1ABCF000079 SWITCH

Q6810 B1CBGD000001 SWITCH

QR6811 B1GBCFQQ0002 SWITCH

Q6807 B1ABCF000079 SWITCH

D6814 MAZ8056OML

D6813 B0ACCK000005

R6897 470K

R6896 100K

Q6810

D6814

Q6809

QR6811

R6857 4.7K

R6858 4.7K

R6898 470K

C6893 0.1

C6892 16V220

C6891 0.1

DIG1 -SDET

QR6805 B1GDCFJJ0008 SWITCH

QR6806 B1GDCFJJ0007 SWITCH

QR6805

QR6806

R6080 47K

Q6808

Q6807

R6824 47K

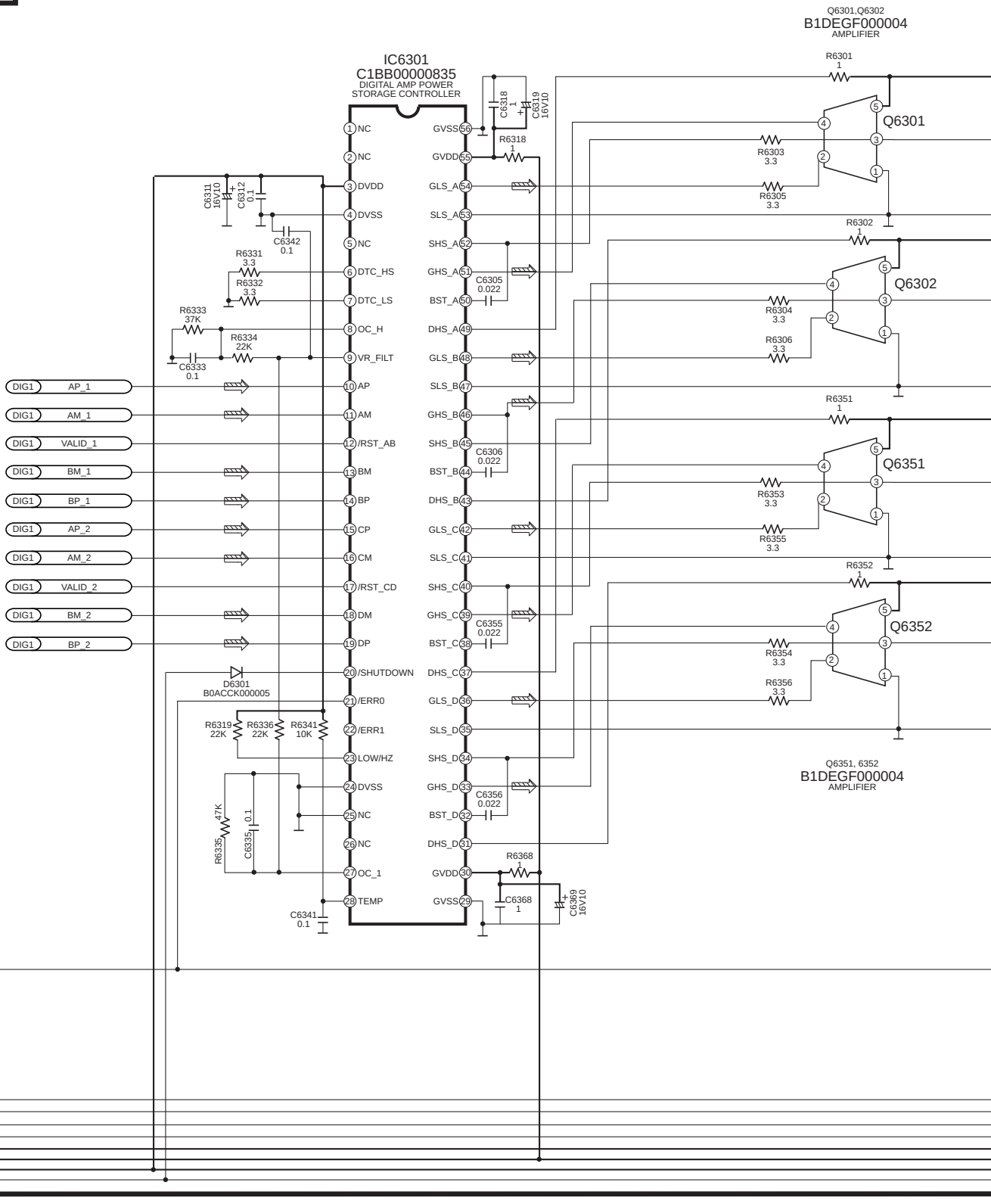
R6891 10K

R6899 100K

C6890 1000P

B MAIN CIRCUIT

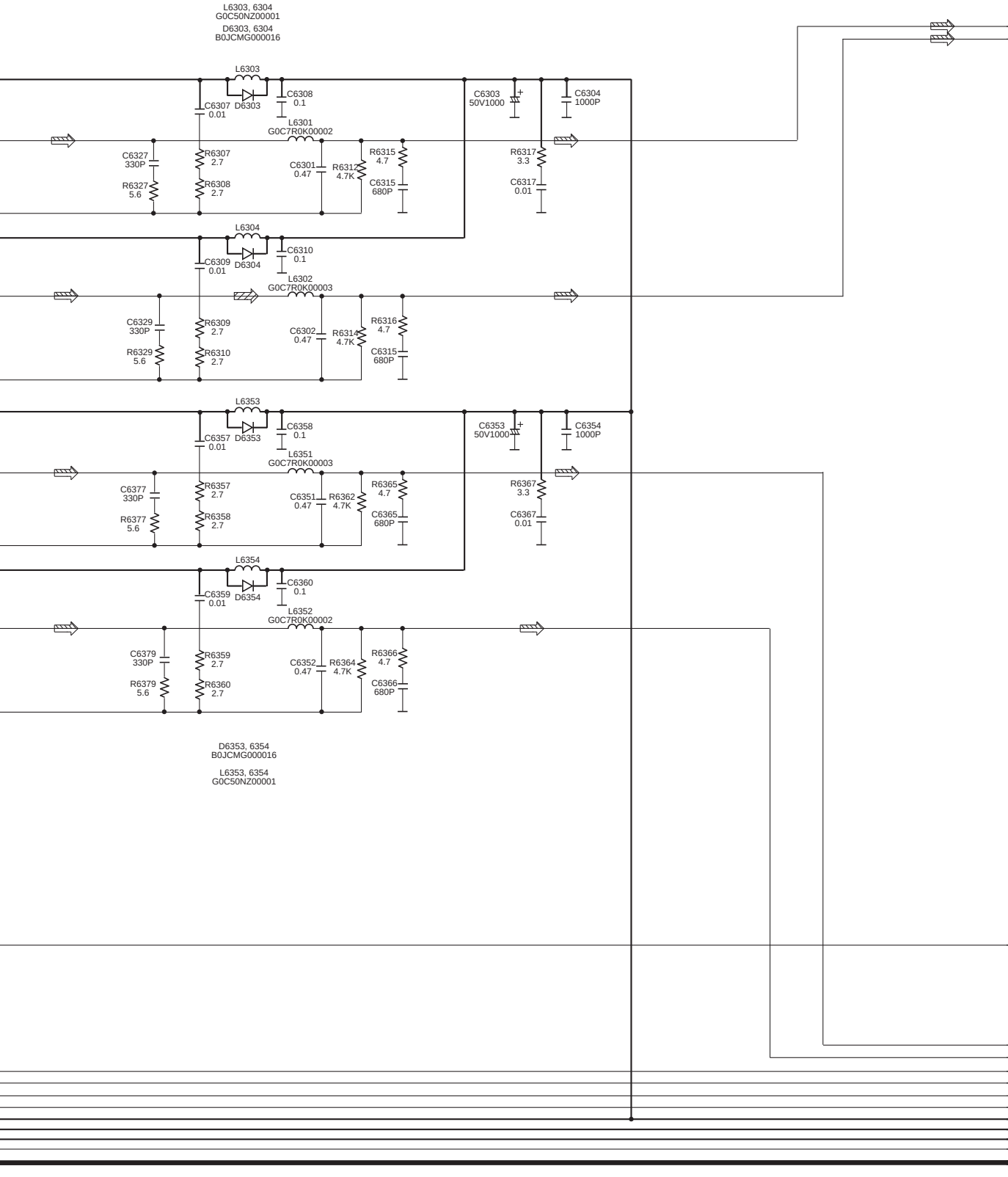
: +B SIGNAL LINE : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM -19

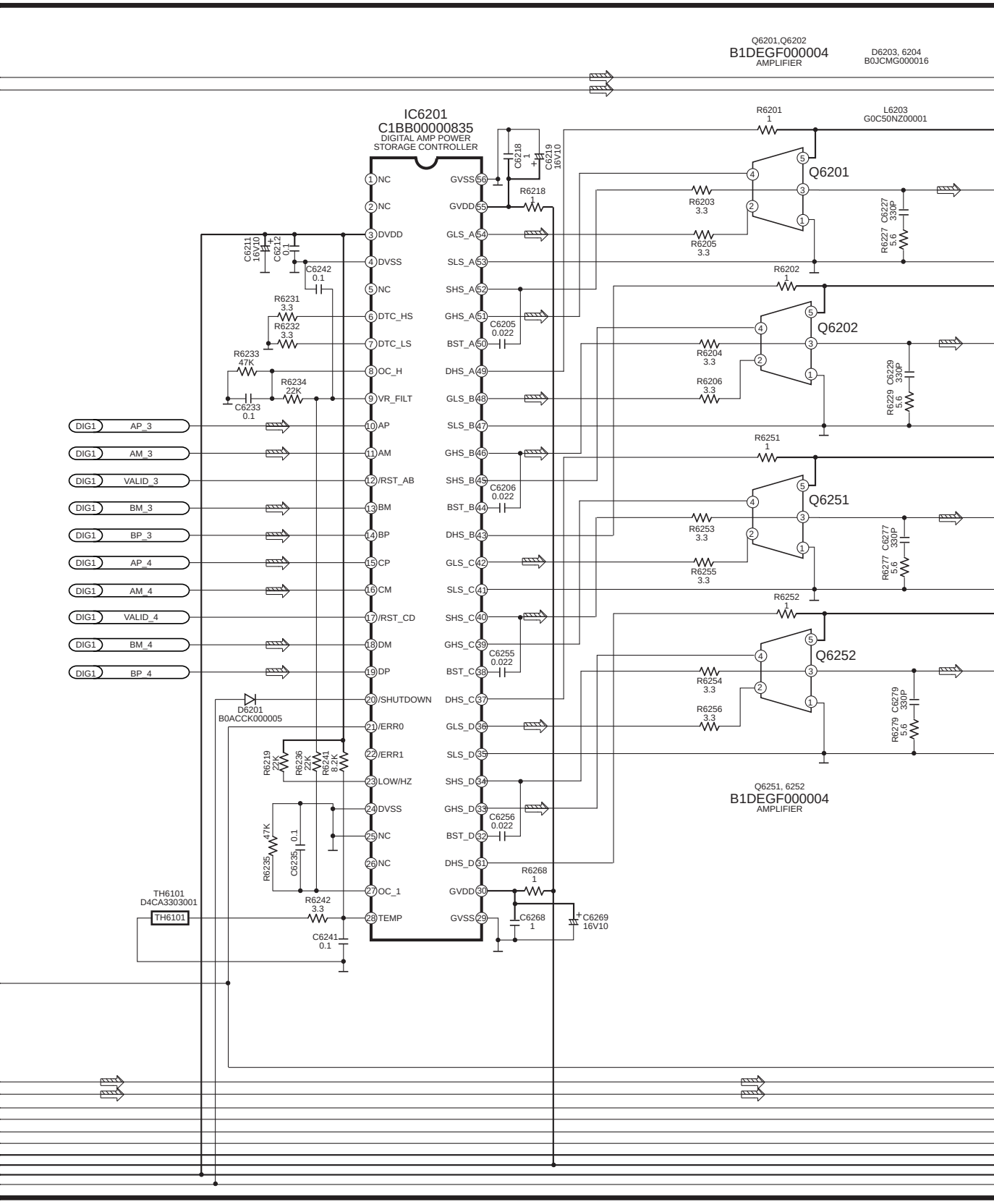
B MAIN CIRCUIT

: +B SIGNAL LINE : MAIN SIGNAL LINE



B MAIN CIRCUIT

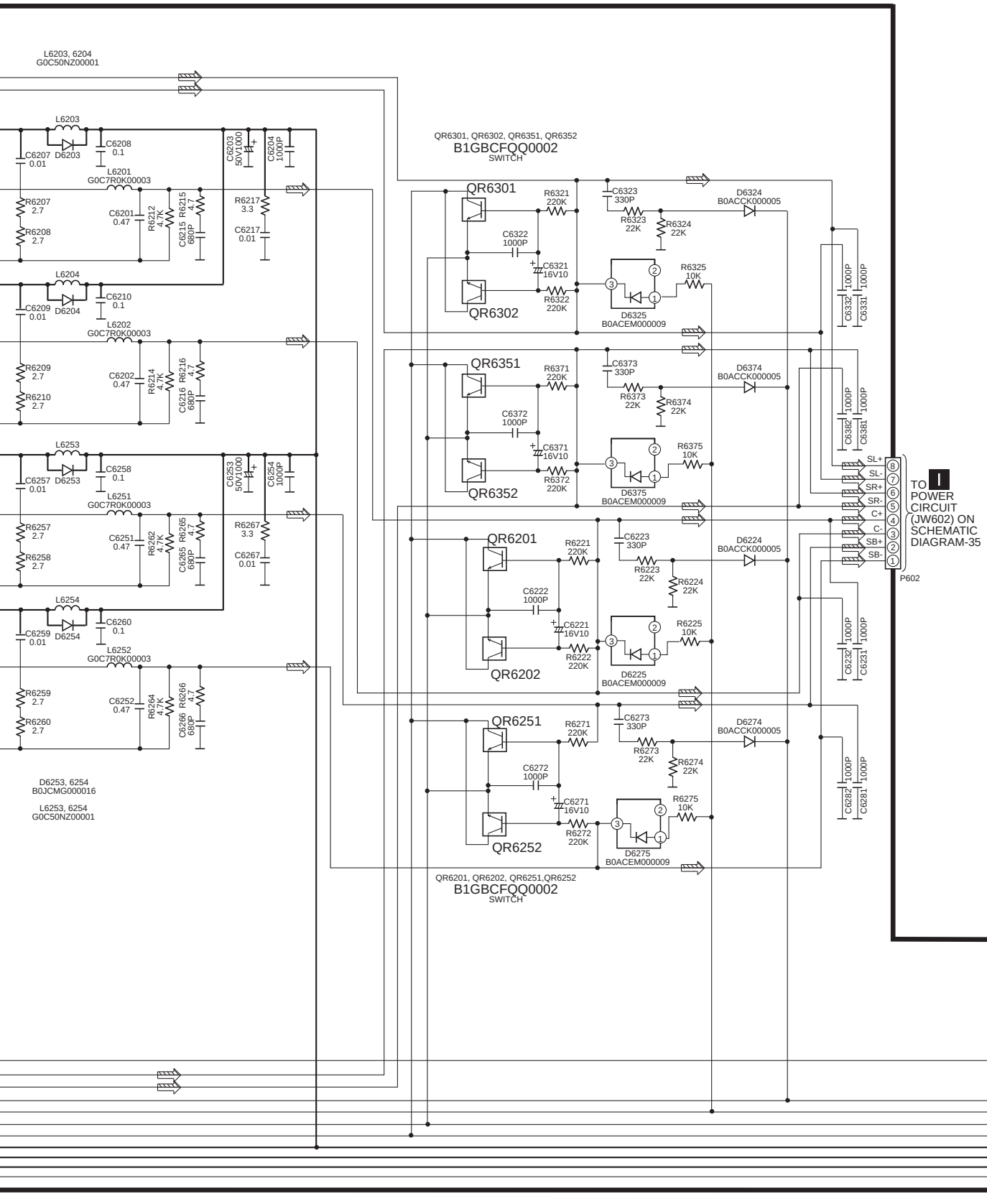
: +B SIGNAL LINE : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM -21

B MAIN CIRCUIT

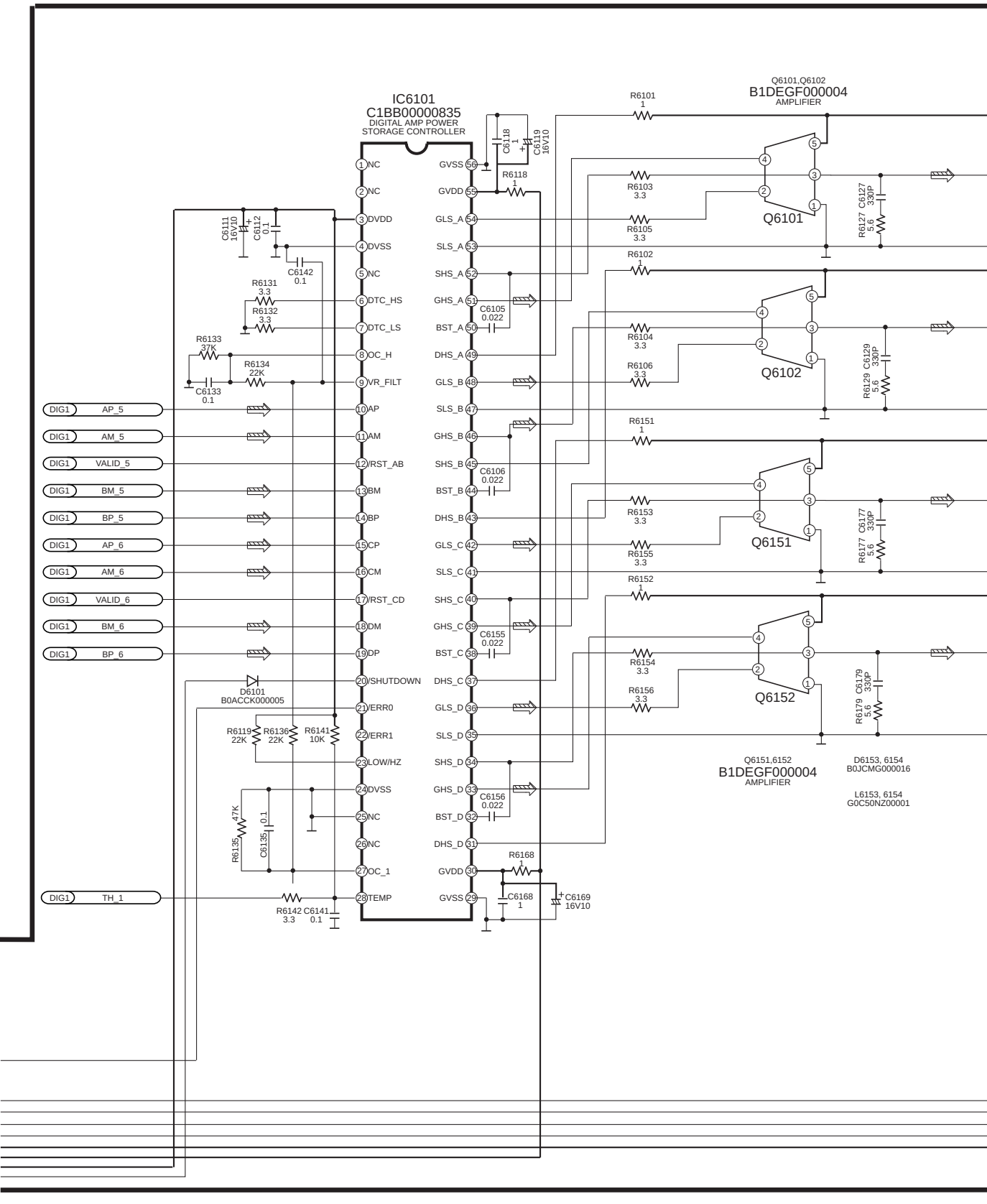
: +B SIGNAL LINE : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM -22

B MAIN CIRCUIT

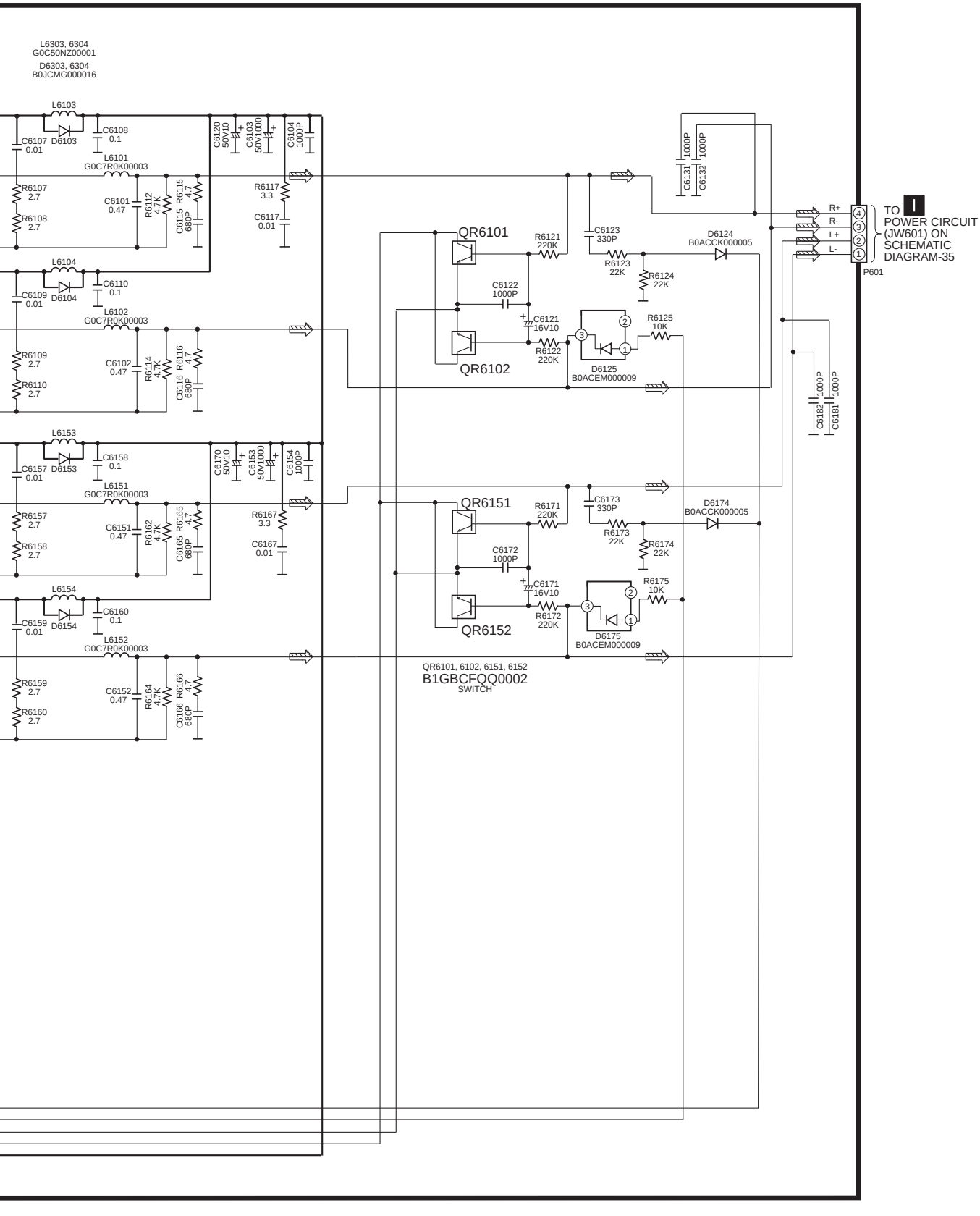
: +B SIGNAL LINE : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM -23

B MAIN CIRCUIT

—— : +B SIGNAL LINE ⇒ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM -24

: -B SIGNAL LINE
: +B SIGNAL LINE
: FM/AM SIGNAL LINE
: MAIN SIGNAL LINE

C INPUT CIRCUIT

TO TUNER PACK (RAN0002EM-1)

P101 — L101 G0A200D00002 — JW101B — JW101A

SEL_CLK, TU_ST, SEL_DATA, TUNER_L, TUN_CE, TUNER_R, DET, +7V, TUN_SD, +14V, GND

R103 2200K

Q101

Q102

R107 56, R108 56

R101 47K, R102 47K, C101 0.01, R104 3.9K, R106 3.3K

C102 16V47, C103 16V47, R105 3.9K

Q101, 102
2SD0592AWA
LOW FREQUENCY AMP

D TUNER EXTENT CIRCUIT

JK405 — TV / STB IN — R CH, L CH
JK404 — VCR1 IN — R CH, L CH
JK404 — DVR IN — R CH, L CH
JK404 — DVR OUT — R CH, L CH
JK403 — DVD IN L/R — R CH, L CH
JK403 — DVD IN SL/SR — R CH, L CH
JK402 — DVD IN C/SW — SW CH, C CH
JK402 — TAPE PLAY IN — R CH, L CH
JK401 — TAPE REC OUT — R CH, L CH
JK401 — CD IN — R CH, L CH

R401–R422 1K
C401–C444 100P

D401 MA2J11100L
D402 MA2J11100L
D403 MA2J11100L
D404 MA2J11100L

Q401
Q402
QR401
Q403
Q404
QR403

Q401,Q402
B1CABA000003
SWITCH

QR401
UNR211500L
SWITCH

Q403,Q404
B1CABA000003
SWITCH

QR403
UNR211500L
SWITCH

R424 47K
R425 47K

SEL_CLK, TUN_ST, SEL_DATA, RDS_CLK, RDS_DATA, TUN_CE, DC_DET_+7V, TUN_SD

VCR_REC

DVD_SR, DVD_SL, DVD_SW, DVD_C

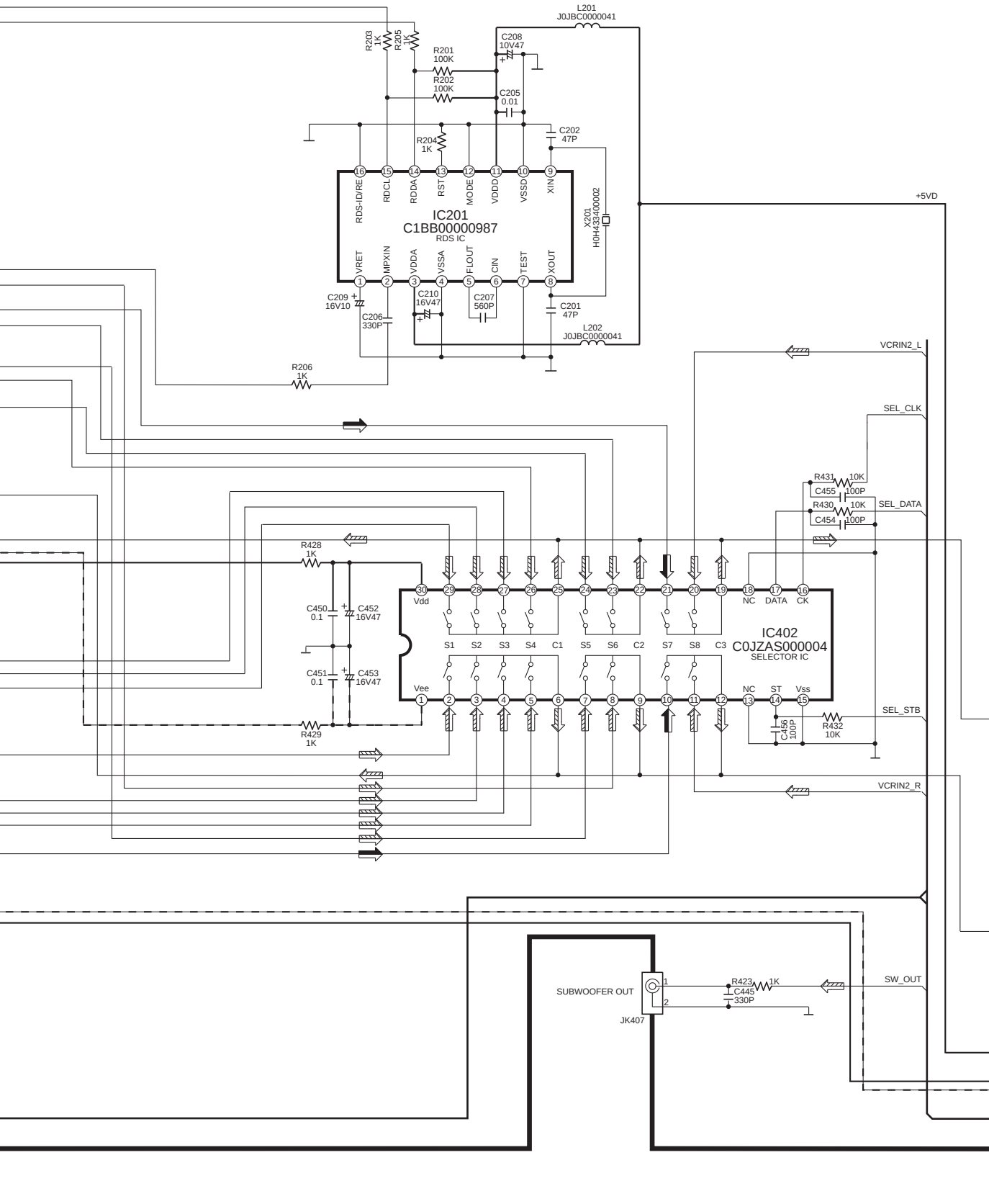
TAPE_REC

SCHEMATIC DIAGRAM -25

C INPUT CIRCUIT

: -B SIGNAL LINE : FM/AM SIGNAL LINE

: +B SIGNAL LINE : MAIN SIGNAL LINE



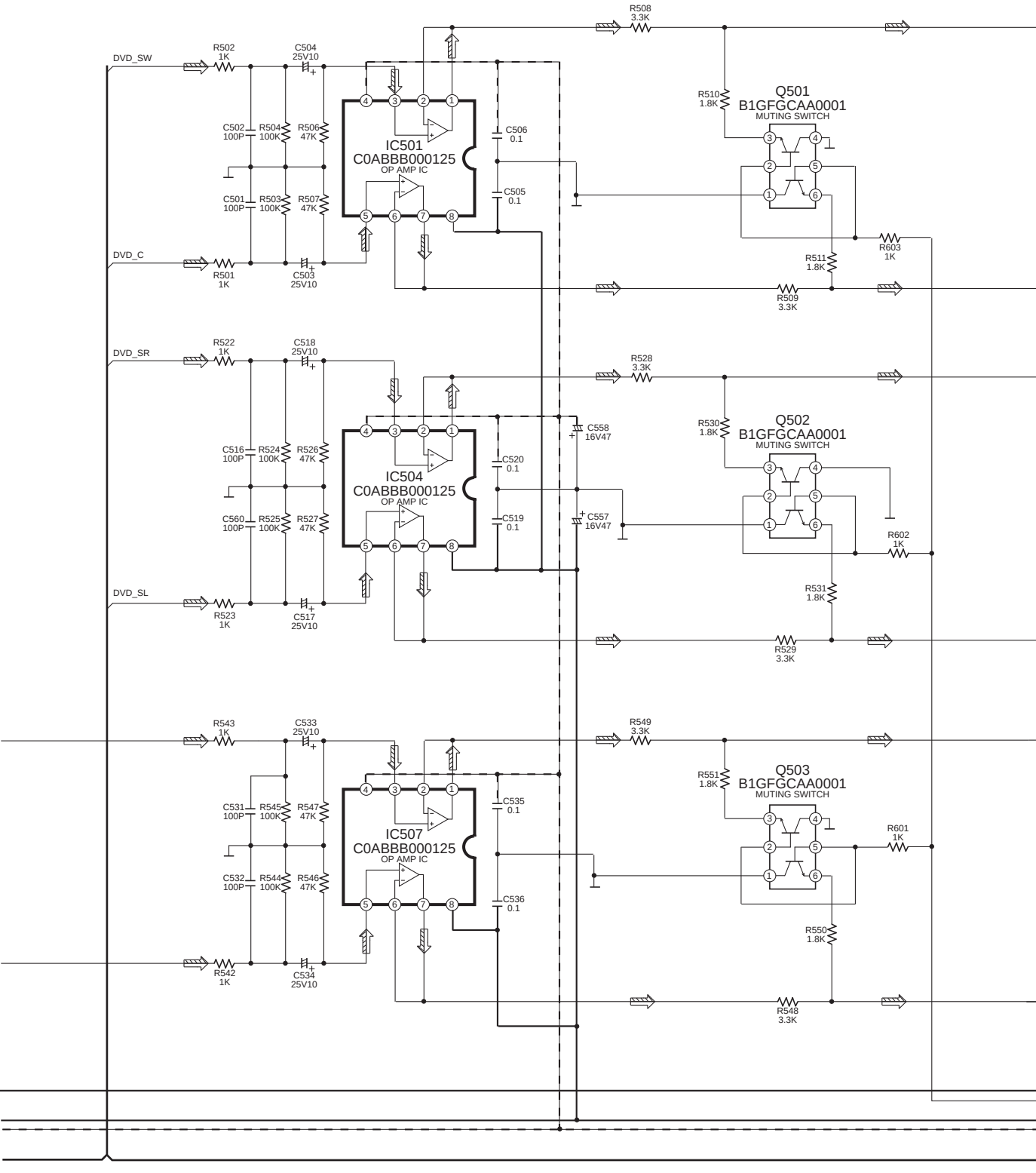
SCHEMATIC DIAGRAM -26

C INPUT CIRCUIT

: -B SIGNAL LINE

: +B SIGNAL LINE

: MAIN SIGNAL LINE

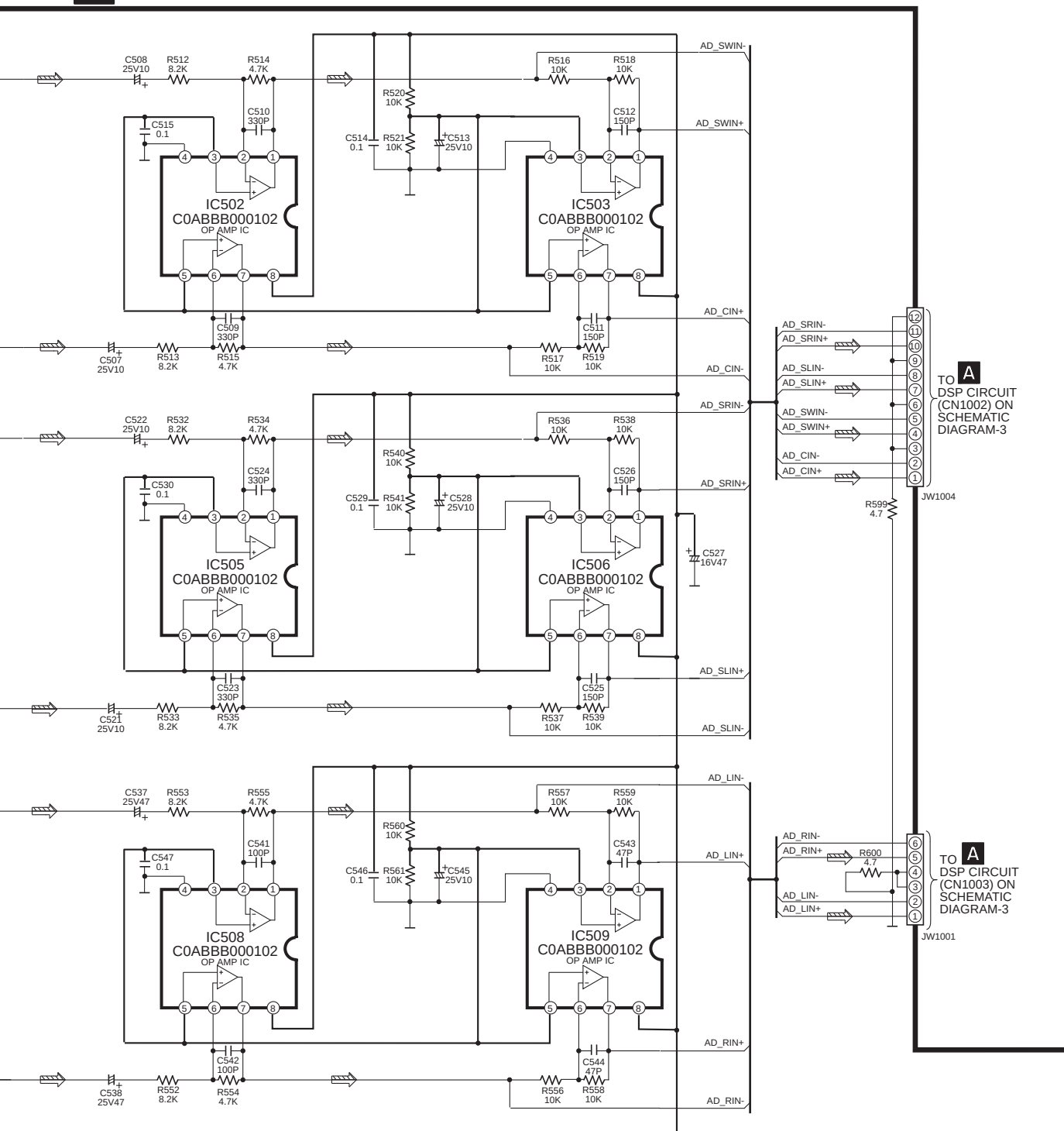


SCHEMATIC DIAGRAM -27

C INPUT CIRCUIT

: -B SIGNAL LINE

: +B SIGNAL LINE : MAIN SIGNAL LINE

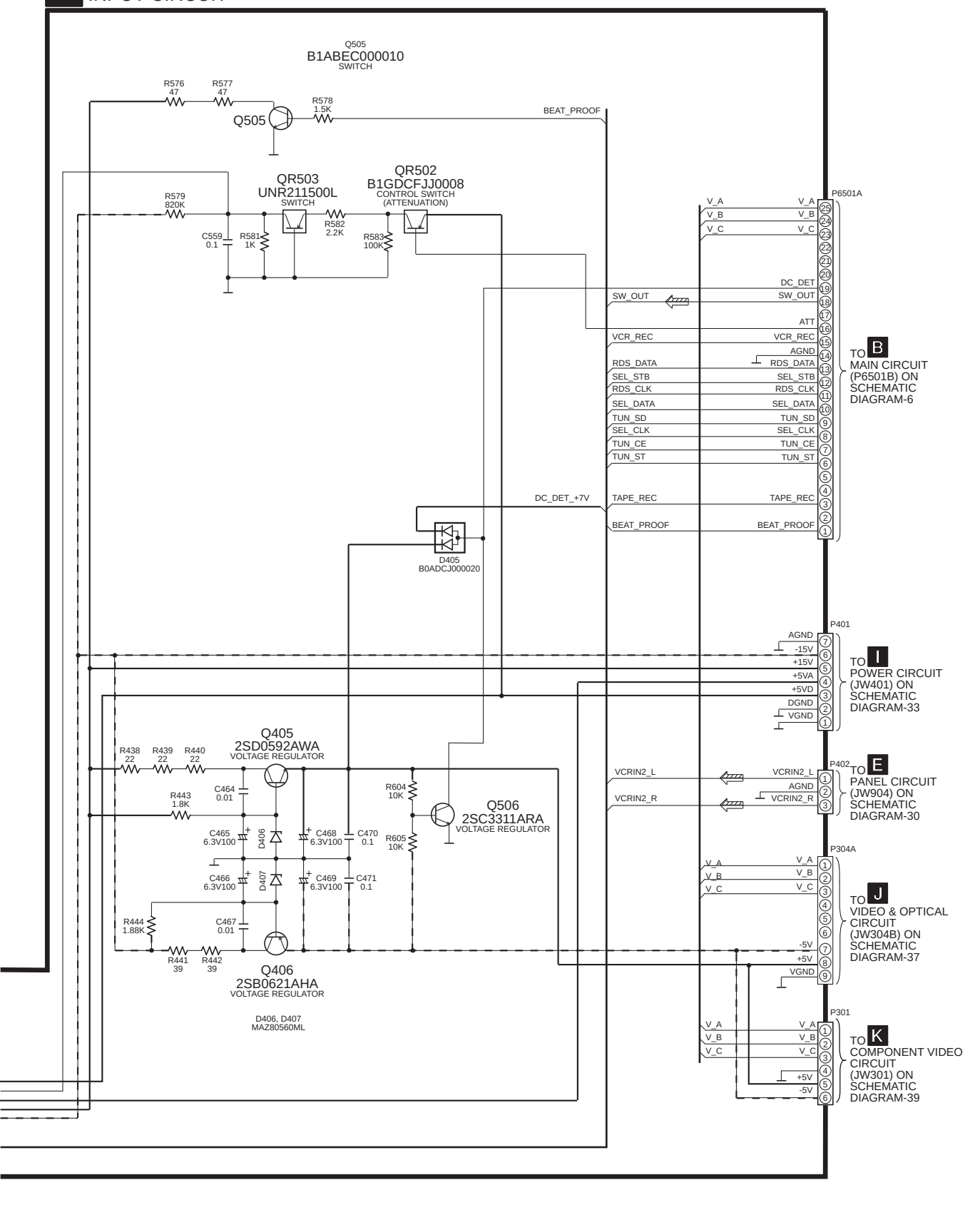


SCHEMATIC DIAGRAM -28

C INPUT CIRCUIT

: -B SIGNAL LINE

: +B SIGNAL LINE : MAIN SIGNAL LINE

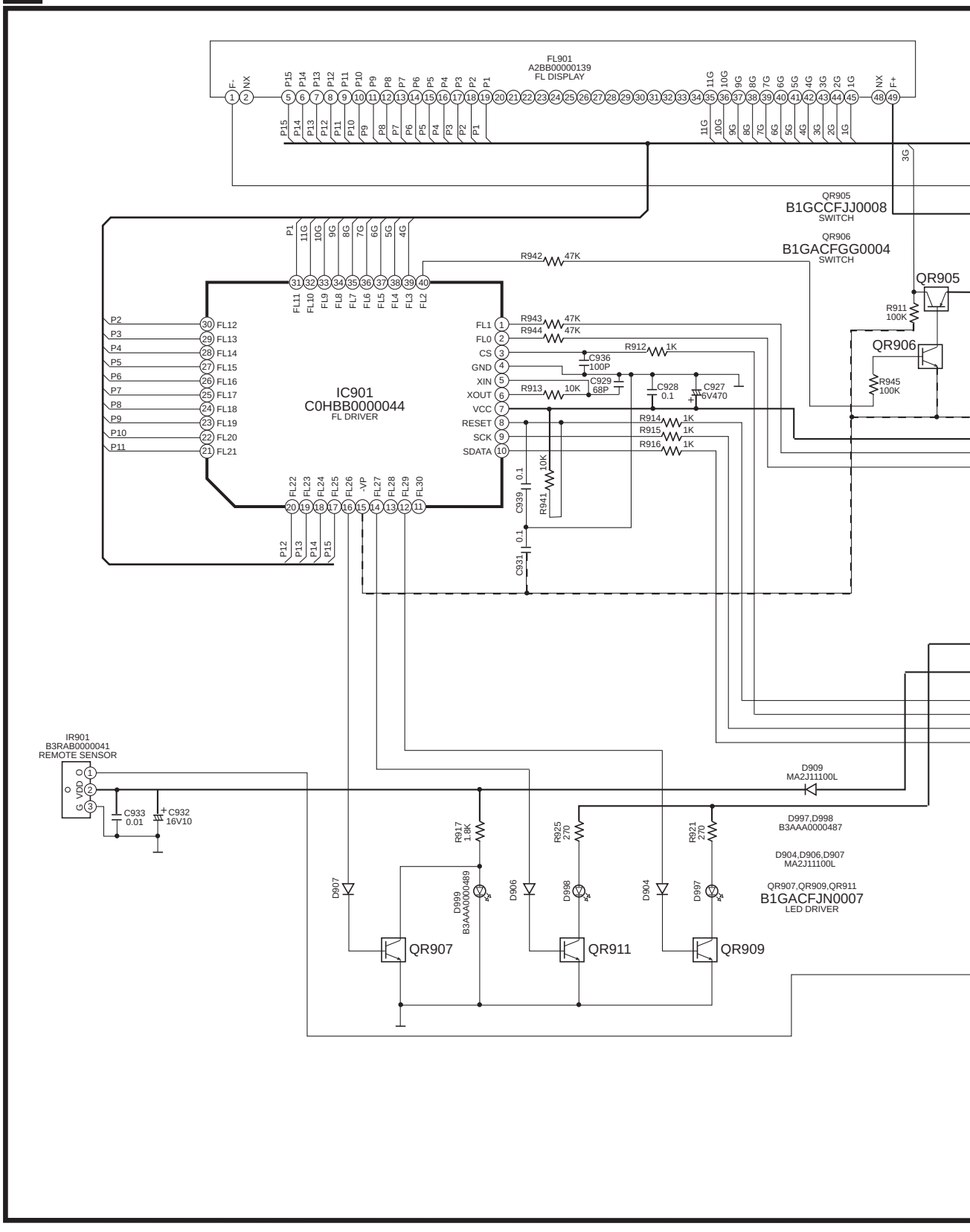


SCHEMATIC DIAGRAM -29

E PANEL CIRCUIT

: -B SIGNAL LINE

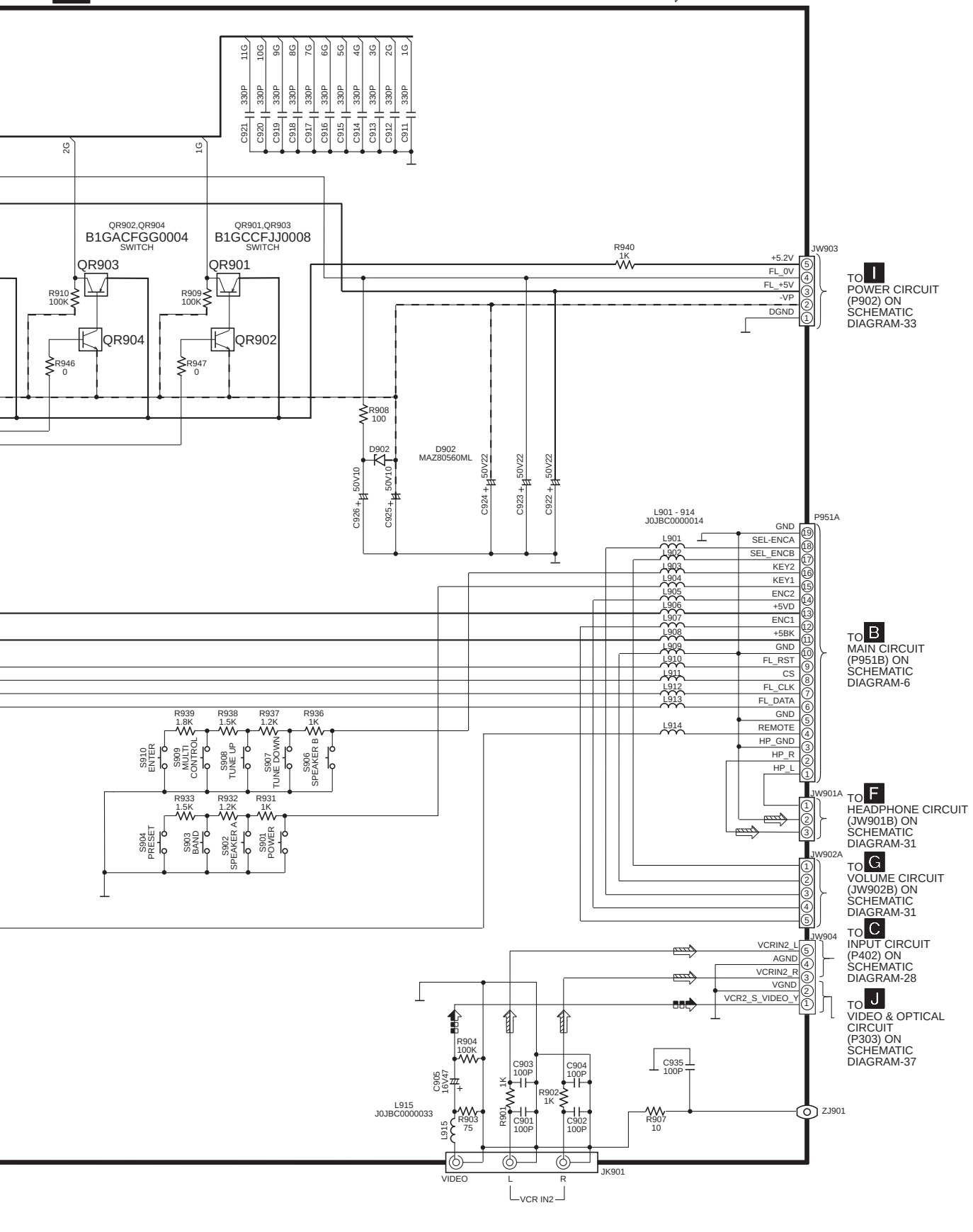
: +B SIGNAL LINE

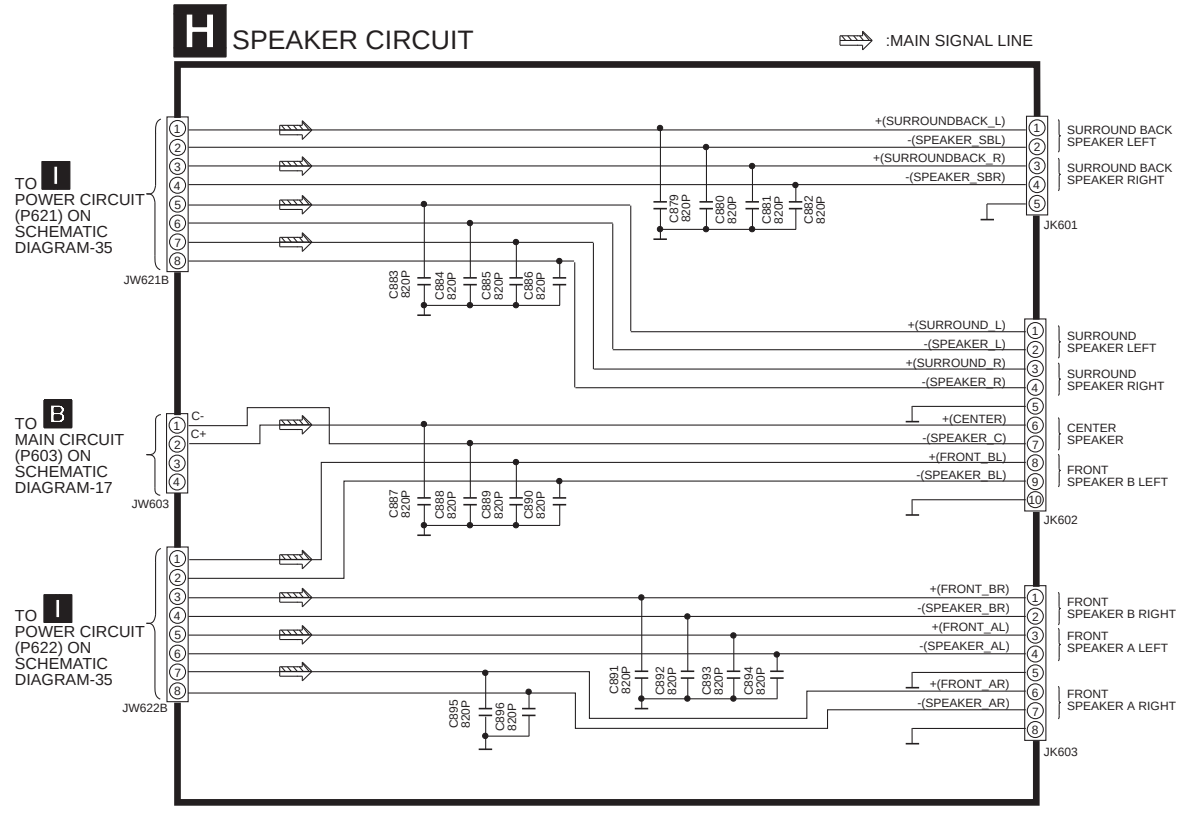


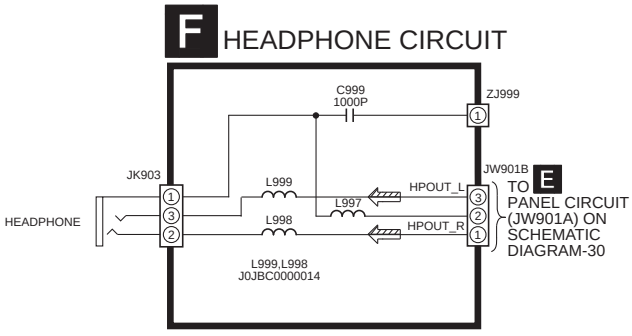
SCHEMATIC DIAGRAM -30

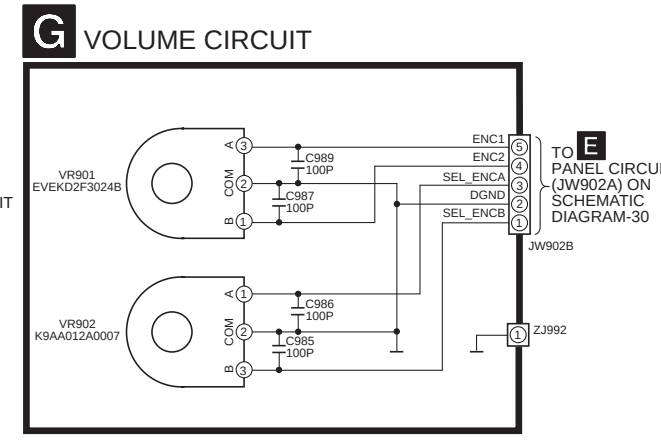
E PANEL CIRCUIT

: -B SIGNAL LINE
: +B SIGNAL LINE
: MAIN SIGNAL LINE
: VIDEO SIGNAL LINE




H SPEAKER CIRCUIT
:MAIN SIGNAL LINE
TO I POWER CIRCUIT (P621) ON SCHEMATIC DIAGRAM-35
JW621B
C883 820P
C884 820P
C885 820P
C886 820P
C879 820P
C880 820P
C881 820P
C882 820P
+(SURROUNDBACK_L)
-(SPEAKER_SBL)
+(SURROUNDBACK_R)
-(SPEAKER_SBR)
JK601
SURROUND BACK SPEAKER LEFT
SURROUND BACK SPEAKER RIGHT
+(SURROUND_L)
-(SPEAKER_L)
+(SURROUND_R)
-(SPEAKER_R)
SURROUND SPEAKER LEFT
SURROUND SPEAKER RIGHT
TO B MAIN CIRCUIT (P603) ON SCHEMATIC DIAGRAM-17
C-
C+
JW603
C887 820P
C888 820P
C889 820P
C890 820P
+(CENTER)
-(SPEAKER_C)
+(FRONT_BL)
-(SPEAKER_BL)
JK602
CENTER SPEAKER
FRONT SPEAKER B LEFT
TO I POWER CIRCUIT (P622) ON SCHEMATIC DIAGRAM-35
JW622B
C895 820P
C896 820P
C891 820P
C892 820P
C893 820P
C894 820P
+(FRONT_BR)
-(SPEAKER_BR)
+(FRONT_AL)
-(SPEAKER_AL)
+(FRONT_AR)
-(SPEAKER_AR)
JK603
FRONT SPEAKER B RIGHT
FRONT SPEAKER A LEFT
FRONT SPEAKER A RIGHT


F HEADPHONE CIRCUIT
C999 1000P
ZJ999
JK903
HEADPHONE
L999
L997
L998
HPOUT_L
HPOUT_R
L999,L998 J0JBC0000014
JW901B
TO E PANEL CIRCUIT (JW901A) ON SCHEMATIC DIAGRAM-30

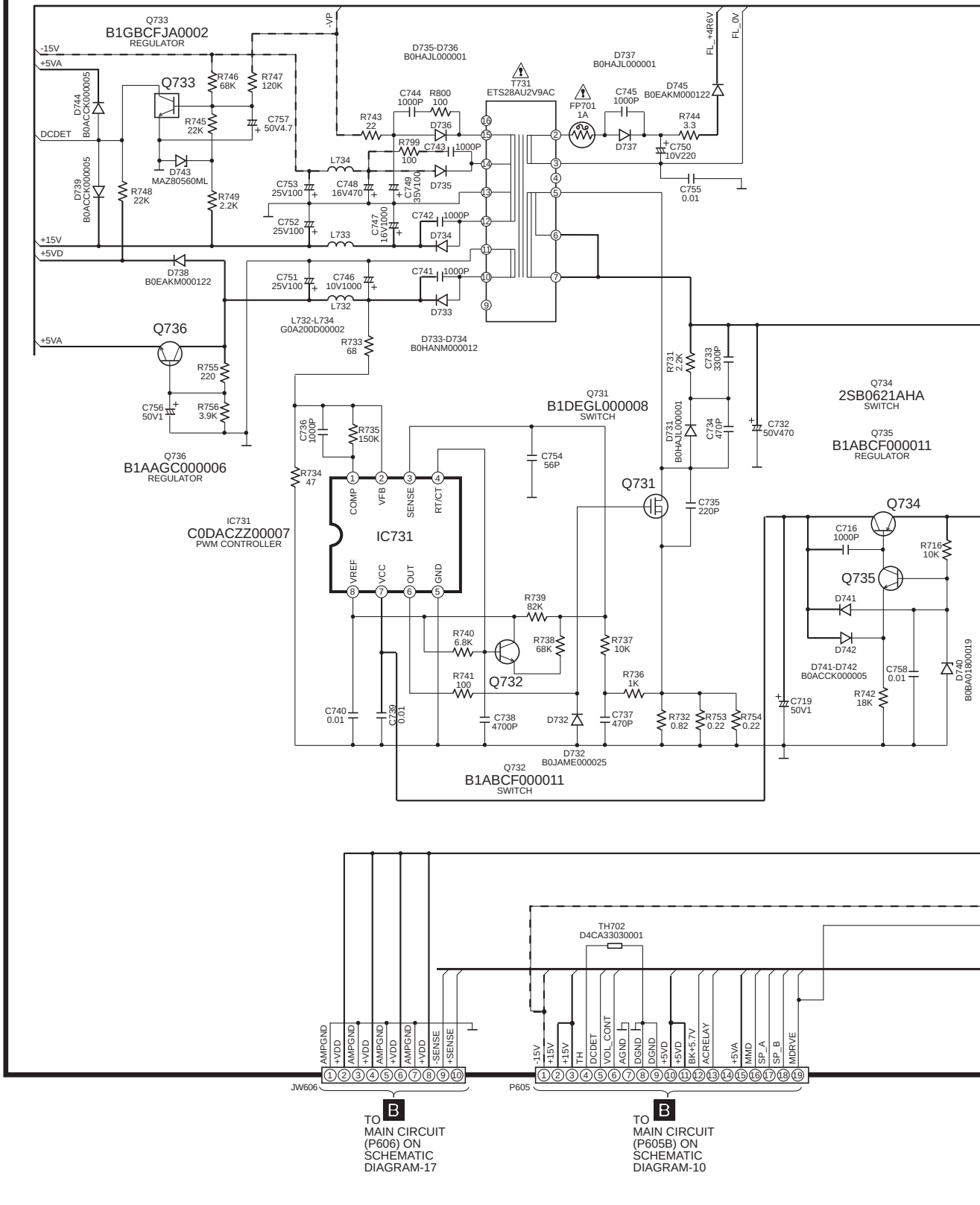

G VOLUME CIRCUIT
VR901 EVEKD2F3024B
VR902 K9AA012A0007
A
COM
B
C989 100P
C987 100P
C986 100P
C985 100P
ENC1
ENC2
SEL_ENCA
DGND
SEL_ENCB
JW902B
TO E PANEL CIRCUIT (JW902A) ON SCHEMATIC DIAGRAM-30
ZJ992

SCHEMATIC DIAGRAM -32

I POWER CIRCUIT

– – – : -B SIGNAL LINE

——— : +B SIGNAL LINE

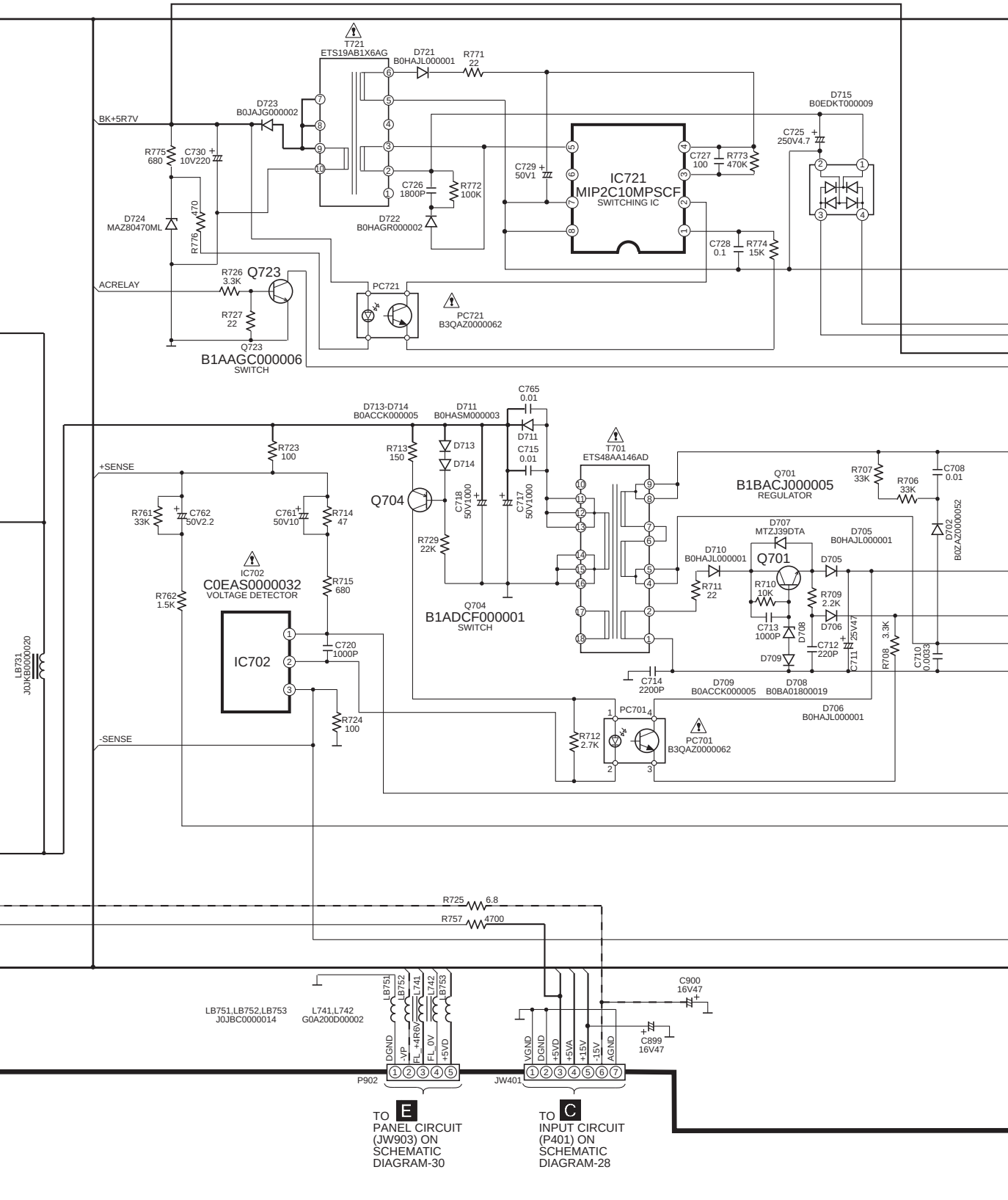


SCHEMATIC DIAGRAM -33

I POWER CIRCUIT

– – – – : -B SIGNAL LINE

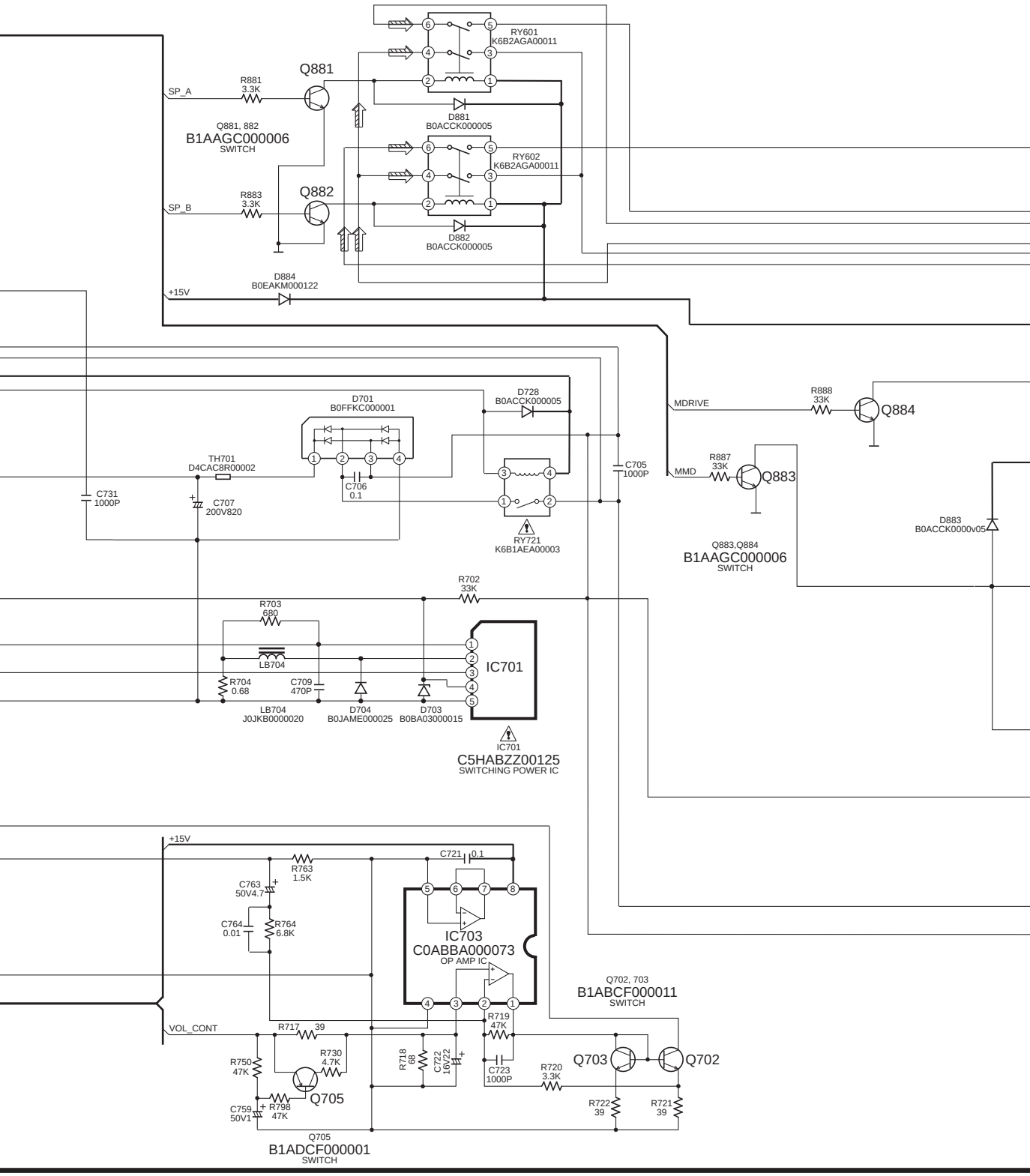
——— : +B SIGNAL LINE



SCHEMATIC DIAGRAM -34

I POWER CIRCUIT

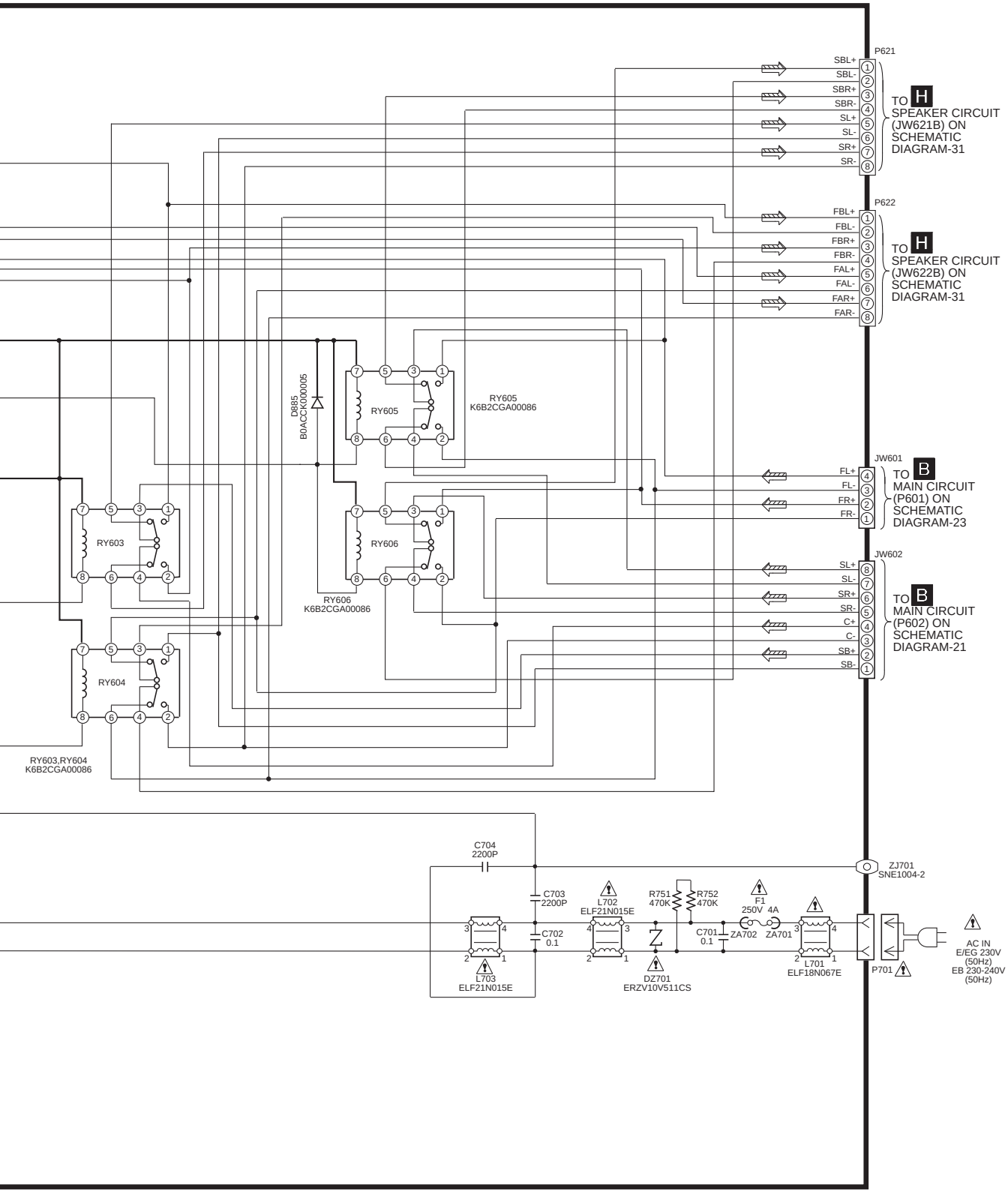
—— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM -35

I POWER CIRCUIT

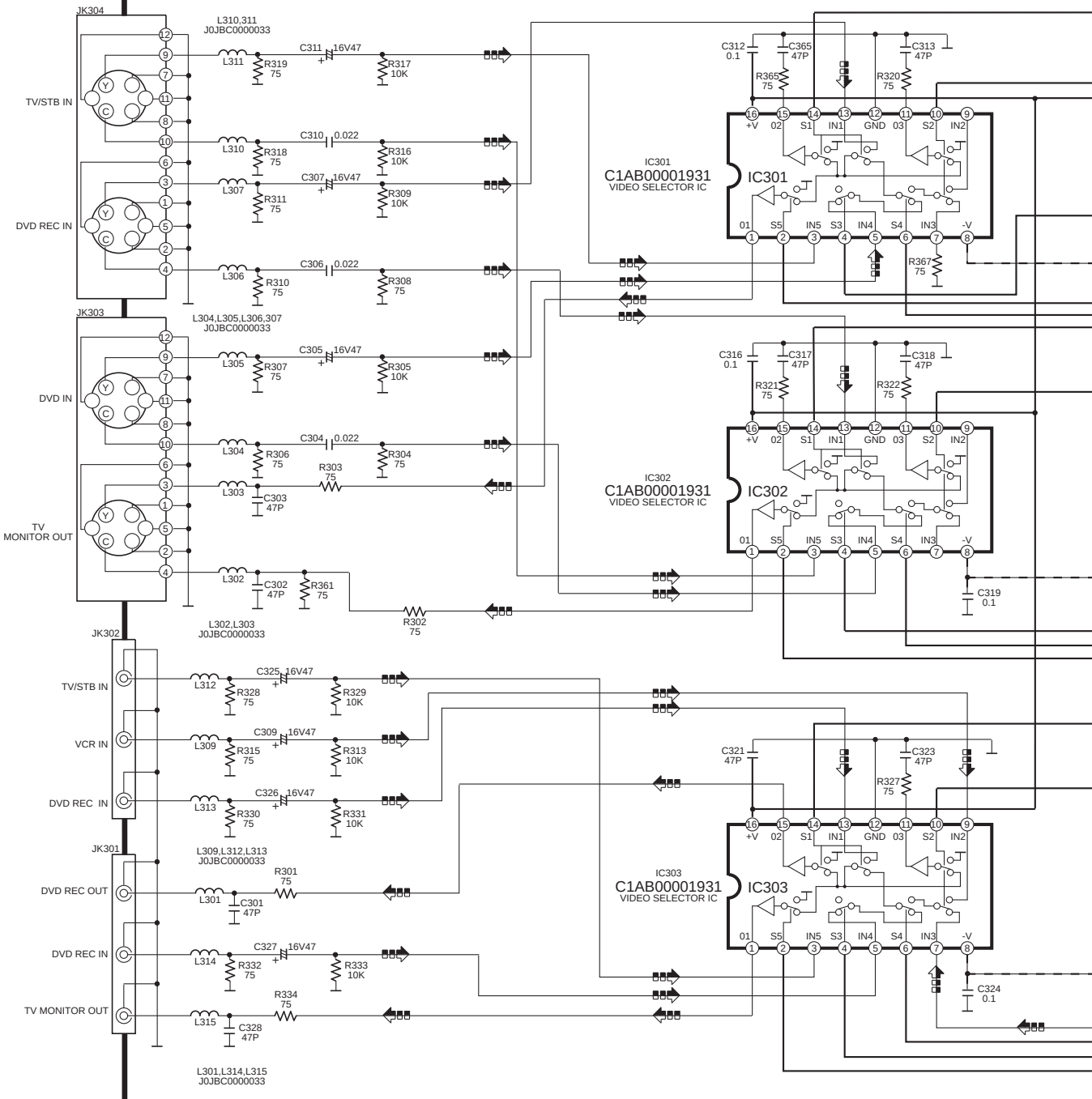
: +B SIGNAL LINE : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM -36

J VIDEO & OPTICAL CIRCUIT

- - - - : -B SIGNAL LINE
——— : +B SIGNAL LINE
: VIDEO SIGNAL LINE



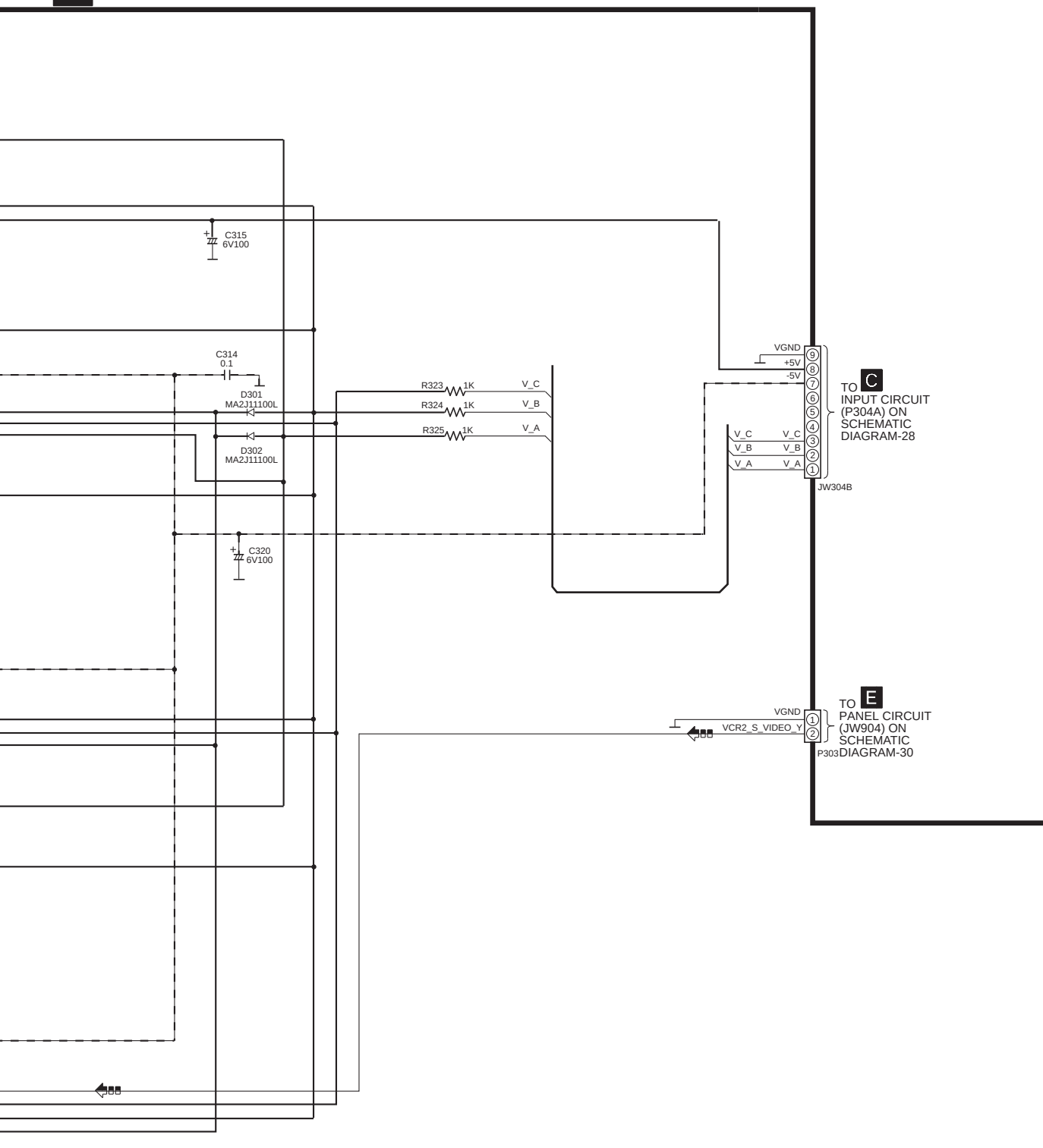
SCHEMATIC DIAGRAM -37

J VIDEO & OPTICAL CIRCUIT

: -B SIGNAL LINE

: +B SIGNAL LINE

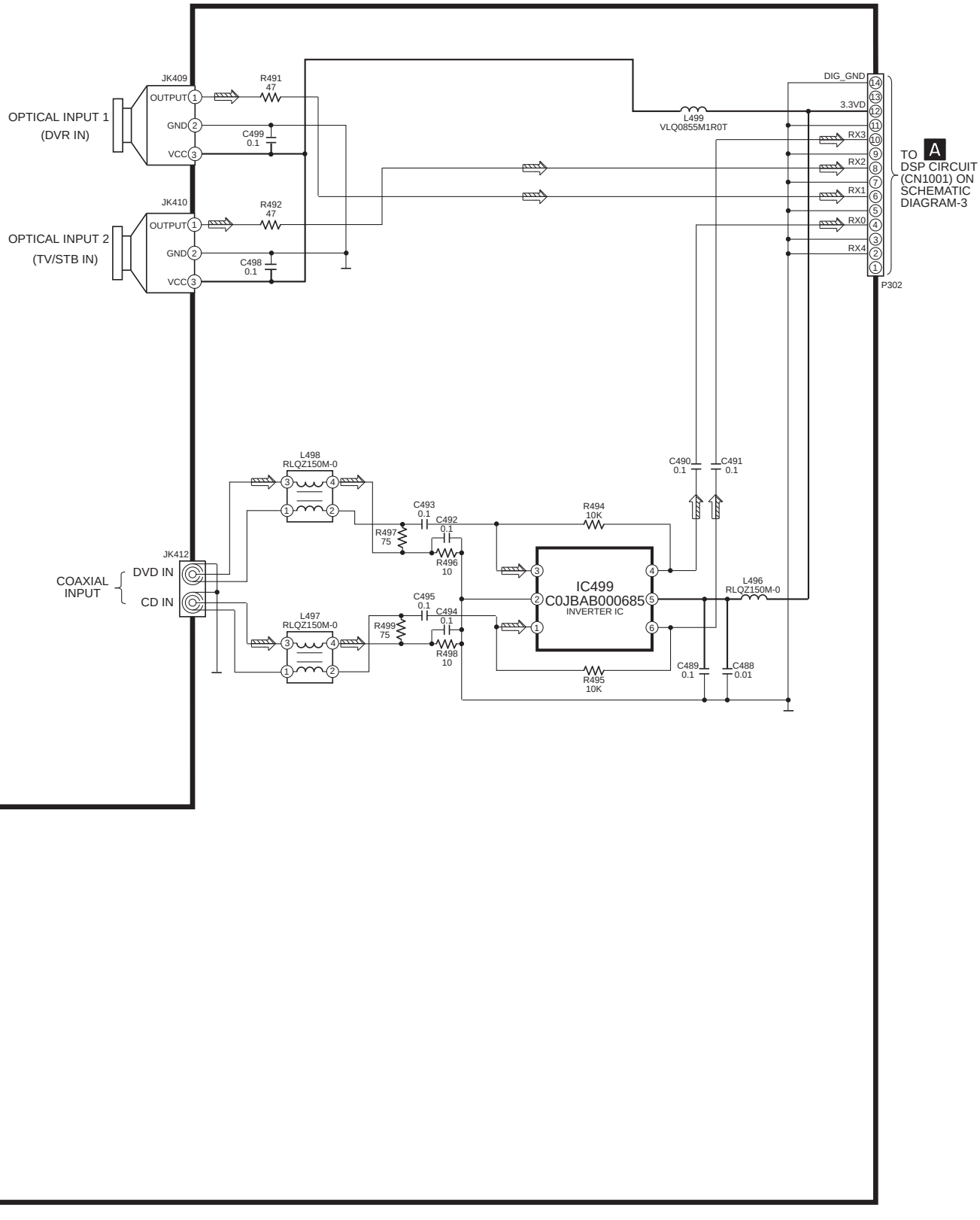
: VIDEO SIGNAL LINE



SCHEMATIC DIAGRAM -38

J VIDEO & OPTICAL CIRCUIT

—— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



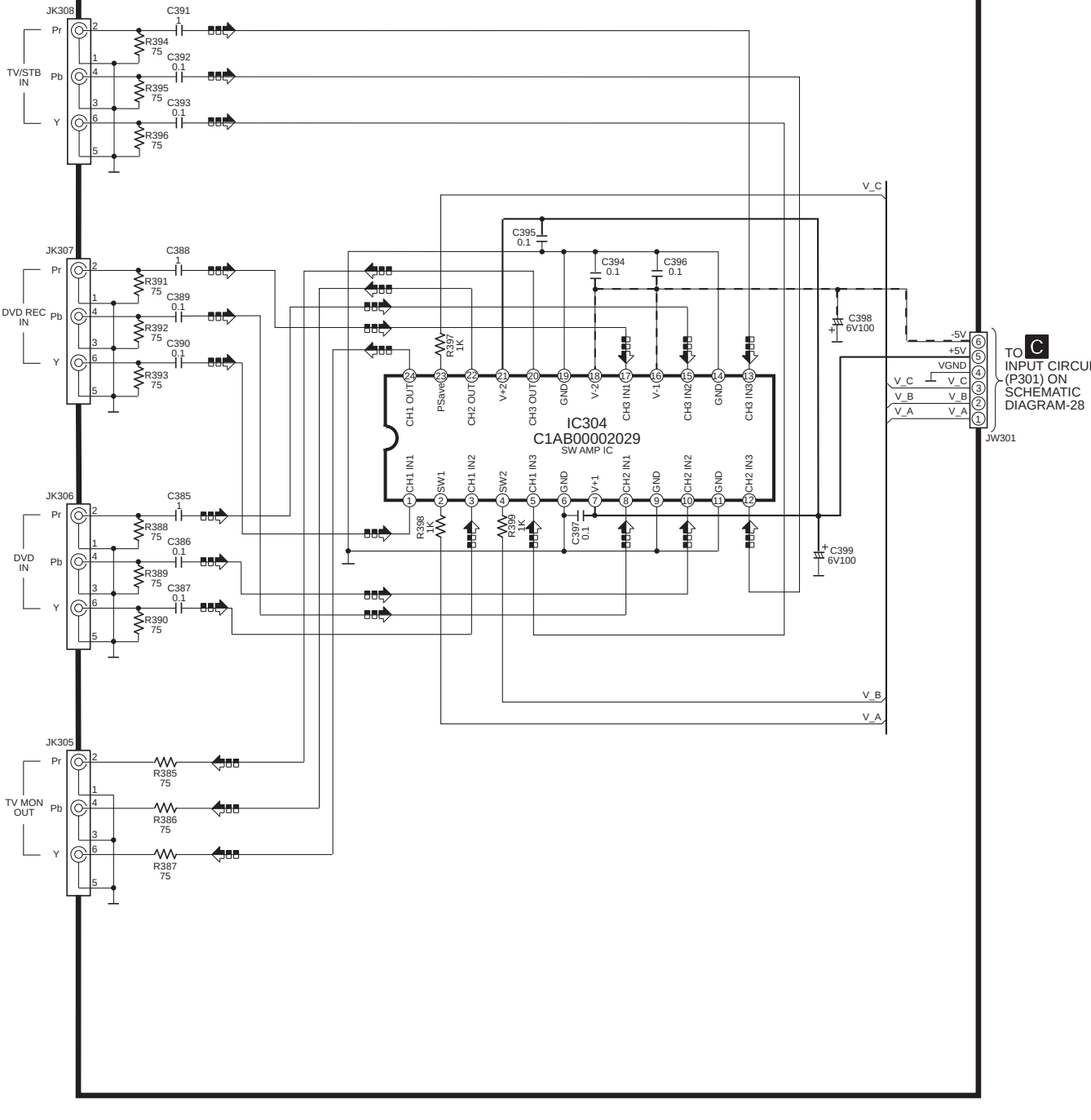
SCHEMATIC DIAGRAM -39

K COMPONENT VIDEO CIRCUIT

: -B SIGNAL LINE

: +B SIGNAL LINE

: VIDEO SIGNAL LINE



COMPONENT VIDEO P.C.B.

Ref No.	IC304																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	4.6	0	0	5.0	0	0	0	0	0	0	0	0	-5.1	0	-5.1	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ref No.	IC304																			
MODE	21	22	23	24																
CD PLAY	5.0	0	4.6	0																
STANDBY	0	0	0	0																

DSP P.C.B.

Ref No.	IC1001																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	2.5	2.5	0	2.5	2.6	5.1	5.1												
STANDBY	1.2	0.4	0.4	0	0.4	0.4	0.9	0.9												
Ref No.	IC1002																			
MODE	1	2	3	4	5															
CD PLAY	0	0.1	0	0.1	0.2															
STANDBY	0	0.2	0	0.1	0.1															
Ref No.	IC1003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.3	1.3	1.3	1.3	2.3	3.3	1.3	3.3	0	-	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC1003																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32								
CD PLAY	0	0	0	0	0	0	0	0	0	0.8	1.3	2.3								
STANDBY	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0								
Ref No.	IC1005																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0.1	2.5	1.6	0	1.7	5.0	0	3.3												
STANDBY	0.1	0.4	0	0	0	0	0	0												
Ref No.	IC1006																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.5	1.6	1.6	0	1.6	3.3	3.3	3.3												
STANDBY	0.4	0	0	0	0	0	0	0												
Ref No.	IC1007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	1.2	1.2	1.2	0	0	0	3.3	0	0	0	0	1.2	0	0	1.6	1.6	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC1007																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	1.2	1.2	0	0	0	1.2	1.2	1.2	1.6	1.6	1.6	3.3	1.7	0	1.2	1.6	1.7	1.2	0
STANDBY	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	1.4	0	0	1.4	1.4	0	0
Ref No.	IC1007																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	0	1.2	-	3.3	0	0	0	0	1.2	1.2	0	3.3	3.3	4.3	4.3	0	0	1.2	3.3
STANDBY	0	0	0	0	0	1.2	1.1	0	0	0	0	1.4	1.4	0	1.4	1.4	1.4	0	0	0
Ref No.	IC1007																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	0	1.2	1.2	1.3	1.3	1.3	2.3	0	1.2	1.2	1.2	-	1.2	1.2	1.2	0	0	1.2	1.2
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC1007																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	1.3	1.2	1.2	1.3	3.3	0	0	1.2	1.2	0	0	1.3	0	0	1.2	0	0	0	0	3.3
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0
Ref No.	IC1007																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	0	0	0	0	0	0	1.2	1.2	0.8	1.3	2.3	0	0	0	0	0	0	0	1.2	1.2
STANDBY	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC1007																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	3.3	3.3	0	0	0	3.3	1.2	1.2	0	0	3.3	0	0	3.3	3.3	3.3	1.2	1.2	0	0
STANDBY	0	0	0	0.1	0.1	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0
Ref No.	IC1007																			
MODE	141	142	143	144																
CD PLAY	0	3.3	3.3	3.3																
STANDBY	0	0	0	0																

Ref No.	IC1008																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	0	0	3.3	0	5.1	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0.9	0	0	0	0	0	0	0
Ref No.	IC1008																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	1.7	1.7	1.3	1.6	1.6	1.2	1.5	1.7	3.3	1.5	0	0	3.3	0	0	3.3	1.2	1.2
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC1008																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	0	1.6	0	1.6	0	1.6	0	1.6												
STANDBY	0	0	0	0	0	0	0	0												
Ref No.	IC1009																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	0	2.6	2.6	2.6	3.3	0	3.3	0	3.3	0	0	0	3.3	1.2	1.6	1.6	1.7	3.3	0
STANDBY	0.1	0	0.2	0.2	0.2	0	0	0	1.3	1.3	0	0	0	0	0.1	0.1	0.1	0.1	0	0
Ref No.	IC1009																			
MODE	21	22	23	24	25	26	27	28												
CD PLAY	0	5.0	0	2.6	2.6	2.6	0	2.5												
STANDBY	0	0.1	0	0.1	0.1	0.1	0	0.1												
Ref No.	IC1010																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	0	2.6	2.6	2.6	3.3	0	3.3	0	3.3	0	0	0	3.3	1.2	1.6	1.6	1.7	3.3	0
STANDBY	0.1	0	0.2	0.2	0.2	0	0	0	1.3	1.3	0	0	0	0	0.1	0.1	0.1	0.1	0	0
Ref No.	IC1010																			
MODE	21	22	23	24	25	26	27	28												
CD PLAY	0	5.0	0	2.6	2.6	2.6	0	2.5												
STANDBY	0	0.1	0	0.1	0.1	0.1	0	0.1												
Ref No.	IC1011																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	0	2.6	2.6	2.6	3.3	0	3.3	0	3.3	0	0	0	3.3	1.2	1.6	1.6	1.7	3.3	0
STANDBY	0.1	0	0.2	0.2	0.2	0	0	0	1.3	1.3	0	0	0	0	0.1	0.1	0.1	0.1	0	0
Ref No.	IC1011																			
MODE	21	22	23	24	25	26	27	28												
CD PLAY	0	5.0	0	2.6	2.6	2.6	0	2.5												
STANDBY	0	0.1	0	0.1	0.1	0.1	0	0.1												
Ref No.	QR1001				QR1002				QR1003											
MODE	E	C	B		E	C	B		E	C	B									
CD PLAY	5.0	0.2	5.0		0	3.4	0		0	3.4	0									
STANDBY	0.9	0	0.9		0	0.1	0		0	0.1	0									

INPUT P.C.B.

Ref No.	IC201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	2.6	2.6	5.2	0	2.6	2.5	0	2.7	2.6	0	5.2	0	0	3.1	2.6	0				
STANDBY	0.5	0.5	1.0	0	0.5	0.5	0	0.4	0.5	0	1.0	0	0	1.0	1.0	0				
Ref No.	IC402																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	-14.8	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0.4	0.3	0	0.1	0
STANDBY	0.1	-0.2	0.1	0.1	0.1	0	0.2	0.2	0	0	0.2	0	0	0	0	0	0	0	0	0.2
Ref No.	IC402																			
MODE	21	22	23	24	25	26	27	28	29	30										
CD PLAY	0	0	0	0	0	0	0	0	0	15.0										
STANDBY	0.2	0	0.2	0.2	0	0.2	0.2	0.2	0.2	0.1										
Ref No.	IC501																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-14.8	0	0	0	15.0												
STANDBY	0	0	0	0.1	0	0	0	0.1												
Ref No.	IC502																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0												
STANDBY	0.2	0.2	0	0	0	0.3	0.3	0.1												
Ref No.	IC503																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0												
STANDBY	0.2	0.2	0	0	0	0.3	0.3	0.1												
Ref No.	IC504																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-14.8	0	0	0	15.0												
STANDBY	0	0	0	0.1	0	0	0	0.1												
Ref No.	IC505																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0												
STANDBY	0.2	0.2	0	0	0	0.3	0.3	0.1												
Ref No.	IC506																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0												
STANDBY	0.2	0.2	0	0	0	0.3	0.3	0.1												
Ref No.	IC507																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-14.8	0	0	0	15.0												
STANDBY	0	0	0	0.1	0	0	0	0.1												
Ref No.	IC508																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0												
STANDBY	0.3	0.3	0	0	0	0.3	0.3	0.1												
Ref No.	IC509																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0												
STANDBY	0.3	0.3	0	0	0	0.3	0.3	0.1												
Ref No.	Q101				Q102				Q401				Q402				Q403			
MODE	E	C	B		E	C	B		S	D	G		S	D	G		S	D	G	
CD PLAY	14.8	15.0	15.0		7.1	10.2	7.7		0	-14.5	0		0	-14.5	0		0	-14.5	0	
STANDBY	0	0.1	0.1		0.7	0.1	0.1		0	-0.4	0		0	-0.5	0		0	-0.1	0	
Ref No.	QR401				QR403				Q404				Q405				Q406			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	-0.8	-14.8	0		-1.9	14.8	0		0	-14.5	0		5.0	12.1	5.6		-5.1	-12.9	-5.7	
STANDBY	0	0.1	0		0	0.1	0		0	-0.1	0		0.1	0.1	0.1		0.1	0.1	0.1	
Ref No.	QR502				QR503				Q505				Q506							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	5.2	0	5.2		0	-5.8	0		0	15.0	-0.9		0	1.5	-0.1					
STANDBY	0.9	0	0		0	0	0		0	0.1	0		0	0.6	0.1					
Ref No.	Q501							Q502							Q503					
MODE	1	2	3	4	5	6		1	2	3	4	5	6		1	2	3	4	5	6
CD PLAY	0	-5.8	0	0	-5.8	0		0	-5.8	0	0	-5.8	0		0	-5.8	0	0	-5.8	0
STANDBY	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0

MAIN P.C.B.

Ref No.	IC6001																			
MODE	1	2	3	4	5															
CD PLAY	15.0	15.0	0	12.0	1.0															
STANDBY	0.1	0.1	0	0	0															
Ref No.	IC6051																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-15.1	0	0	0	15.0												
STANDBY	0.1	0.1	0	0.1	0	0.1	0.1	0.1												
Ref No.	IC6082																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-15.1	0	0	0	15.0												
STANDBY	0	0	0	0.1	0	0	0	0.1												
Ref No.	IC6101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	3.3	0	0	0	0	1.2	1.8	1.6	1.6	3.3	1.6	1.6	1.6	1.6	3.3	1.6	1.6	3.4
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC6101																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	2.3	3.3	3.3	0	0	0	1.2	3.3	0	12.0	41.7	30.8	25.4	20.7	0	5.1	41.7	30.8	25.4	20.7
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0.4	0	0	0.4	0
Ref No.	IC6101																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
CD PLAY	0	5.1	0	10.5	5.2	0	0	5.2	0	10.5	5.2	0	0	5.2	12.0	0				
STANDBY	0	0.4	0	0	0.3	0	0	0.3	0	0	0.3	0	0	0.4	0	0				
Ref No.	IC6201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	3.3	0	0	0	0	1.2	1.8	1.6	1.6	3.3	1.6	1.6	1.6	1.6	3.3	1.6	1.6	3.4
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC6201																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	2.3	3.3	3.3	0	0	0	1.2	2.0	0	12.0	41.7	30.8	25.4	20.7	0	5.1	41.7	30.8	25.4	20.7
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0.4	0	0	0.4	0
Ref No.	IC6201																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
CD PLAY	0	5.1	0	10.5	5.2	0	0	5.2	0	10.5	5.2	0	0	5.2	12.0	0				
STANDBY	0	0.4	0	0	0.3	0	0	0.3	0	0	0.3	0	0	0.4	0	0				
Ref No.	IC6301																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	3.3	0	0	0	0	1.2	1.8	1.6	1.6	3.3	1.6	1.6	1.6	1.6	3.3	1.6	1.6	3.4
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC6301																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	2.3	3.3	3.3	0	0	0	1.2	3.3	0	12.0	41.7	30.8	25.4	20.7	0	5.1	41.7	30.8	25.4	20.7
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0.4	0	0	0.4	0
Ref No.	IC6301																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
CD PLAY	0	5.1	0	10.5	5.2	0	0	5.2	0	10.5	5.2	0	0	5.2	12.0	0				
STANDBY	0	0.4	0	0	0.3	0	0	0.3	0	0	0.3	0	0	0.4	0	0				
Ref No.	IC6401																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	3.3	0	0	0	0	1.2	1.8	1.6	1.6	3.3	1.6	1.6	1.6	1.6	3.3	1.6	1.6	3.4
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC6401																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	2.3	3.3	3.3	0	0	0	1.2	3.3	0	12.0	41.7	30.8	25.4	20.7	0	5.1	41.7	30.8	25.4	20.7
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0.4	0	0	0.4	0
Ref No.	IC6401																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
CD PLAY	0	5.1	0	10.5	5.2	0	0	5.2	0	10.5	5.2	0	0	5.2	12.0	0				
STANDBY	0	0.4	0	0	0.3	0	0	0.3	0	0	0.3	0	0	0.4	0	0				
Ref No.	IC6601																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	1.8	3.3	2.2	0	0	0	0	0.8	0	3.1	3.3	3.1	3.1	3.1	3.1	0	0	0
STANDBY	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC6601																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	3.0	1.2	0	1.2	0	1.7	1.6	3.1	0	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC6601																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	1.7	1.7	3.3	1.7	1.7	1.7	1.7	3.3	1.6	1.6	1.6	1.6	3.3	1.6	1.6	0	3.3	0	3.3	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC6601																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	1.6	1.6	3.3	1.6	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.7	3.3	1.6	1.6	0	0	3.3	0	3.3
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ref No.	IC6602																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14							
CD PLAY	3.3	1.6	1.7	3.3	1.6	1.7	0	1.7	1.7	3.3	1.7	1.7	3.3	3.3							
STANDBY	0.1	0.1	0	0.1	0.1	0.1	0	0	0.1	0.1	0	0.1	0.1	0							
Ref No.	IC6603																				
MODE	1	2	3	4	5																
CD PLAY	0	0	0	5.1	5.1																
STANDBY	0	0	0	0.9	0.9																
Ref No.	IC6671																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
CD PLAY	3.3	1.2	0	1.2	-	1.7	1.6	1.6	0	0	0	1.6	1.7	1.8	-	1.2	0	1.2	0	3.3	
STANDBY	0	0	0	0	0	1.1	1.1	1.1	0	0	2.7	0	0	2.9	0	0	0	0	0	0	
Ref No.	IC6701																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
CD PLAY	0	0	1.8	3.3	2.2	0	0	0	0	0.8	0	3.1	3.3	3.1	3.1	3.1	3.1	3.1	0	0	
STANDBY	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ref No.	IC6701																				
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
CD PLAY	0	0	0	0	3.0	-	-	1.2	0	1.7	1.6	3.1	0	0	0	0	0	0	0	0	
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ref No.	IC6701																				
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
CD PLAY	1.7	1.7	3.3	1.7	1.7	1.7	1.7	3.3	1.6	1.6	1.6	1.6	3.3	1.6	1.6	0	3.3	0	3.2	0	
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ref No.	IC6701																				
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
CD PLAY	1.6	1.6	0	1.6	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.7	0	1.6	1.6	0	0	3.3	0	3.3	
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ref No.	IC6720																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14							
CD PLAY	4.2	4.2	3.3	4.2	3.3	3.3	0	1.7	1.6	3.3	1.7	1.6	3.3	3.3							
STANDBY	0	0.1	0	0	0	0	0	0	0.1	0.1	0	0	0	0							
Ref No.	IC6801																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
CD PLAY	0	5.1	0	0	0	4.9	0	4.9	5.1	0	0	0	0	0	0	4.8	5.0	0	4.8	4.9	
STANDBY	0	0.6	0	0	0	4.9	0	0	0	0	0	0	0	0	0	0	5.0	0	4.9	4.9	
Ref No.	IC6801																				
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
CD PLAY	4.8	2.3	2.3	0	4.9	0	4.9	4.8	0	0	0	4.8	0	4.8	4.9	0	4.8	0	0	0	
STANDBY	0	2.3	2.3	0	4.9	0	4.9	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ref No.	IC6801																				
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
CD PLAY	4.9	4.9	4.9	4.9	0	0	0	0	0	0	0	4.9	5.2	2.5	4.9	4.9	4.9	4.9	0	0	
STANDBY	0	4.9	4.9	1.0	0	0	0	0	0	0	0	0	0	0	0	1.6	4.9	4.9	0	0	
Ref No.	IC6801																				
MODE	61	62	63	64																	
CD PLAY	4.9	4.9	4.9	4.9																	
STANDBY	4.9	4.9	4.9	4.9																	
Ref No.	IC6802																				
MODE	1	2	3	4	5	6	7	8													
CD PLAY	0	5.0	0	0	0	0	0	0													
STANDBY	0	4.9	0	0	0	0	0	0													
Ref No.	IC6901																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	3.3	1.6	0	1.5	3.3	3.3	3.3	3.3	3.3	
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ref No.	IC6901																				
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
CD PLAY	3.3	3.3	3.3	3.3	0	0	3.3	3.3	3.0	3.1	0	3.3	0	0.3	0	0	3.3	3.3	0	3.3	
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ref No.	IC6901																				
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
CD PLAY	0	0	0	3.3	3.3	3.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ref No.	IC6901																				
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
CD PLAY	0	3.3	0	0	0	0	0	3.3	0	0	0	0	0	0	0	0	0	0	0	0	
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ref No.	IC6901																				
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0	3.3	3.3	0	
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ref No.	IC6902																				
MODE	1	2	3	4	5	6	7	8													
CD PLAY	0	0	3.3	3.3	3.3	3.3	0	3.3													
STANDBY	0.1	0.1	0	0	0	0	0	0													
Ref No.	IC6903																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14							
CD PLAY	3.3	3.3	5.1	3.3	3.3	5.1	0	0	0	5.1	0	0	5.1	5.1							
STANDBY	0.1	0.1	0	0.1	0	0	0	0	0.1	0.9	0	0.1	0.9	0.9							
Ref No.	IC6904																				
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14							
CD PLAY	3.3	3.3	3.3	3.3	0	0	0	3.3	3.3	3.3	3.3	4.9	3.3	3.3							
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0							

Ref No.	IC6971																				
MODE	1	2	3	4	5																
CD PLAY	3.3	5.1	0	1.2	1.0																
STANDBY	0	0.9	0	0	0																
Ref No.	IC6972																				
MODE	1	2	3	4	5																
CD PLAY	5.1	5.1	0	3.3	1.0																
STANDBY	0.9	0.9	0	0	0																
Ref No.	Q6001				Q6002				Q6003				Q6004				Q6148				
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B		
CD PLAY	1.8	5.4	1.8		1.8	5.4	1.8		1.8	5.4	1.8		1.8	5.4	1.8		0	4.9	0		
STANDBY	0	0	0		0	0	0		0	0	0		0	0	0		0	4.9	0		
Ref No.	Q6005							Q6006							Q6081						
MODE	1	2	3	4	5	6		1	2	3	4	5	6		1	2	3	4	5	6	
CD PLAY	0	-6.1	0	0	-6.1	0		0	-6.1	0	0	-6.1	0		0	-6.2	0	0	-6.2	0	
STANDBY	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0	
Ref No.	Q6091				Q6092				Q6101						Q6102						
MODE	E	C	B		E	C	B		1	2	3	4	5		1	2	3	4	5		
CD PLAY	1.8	5.6	1.8		1.8	5.6	1.8		0	5.1	20.7	25.4	41.7		0	5.1	20.7	25.4	41.7		
STANDBY	0	0	0		0	0	0		0	0.4	0	0.4	0		0	0.4	0	0.4	0		
Ref No.	QR6101				QR6102				Q6151						Q6152						
MODE	E	C	B		E	C	B		1	2	3	4	5		1	2	3	4	5		
CD PLAY	20.9	41.5	20.7		20.9	41.5	20.7		0	5.1	20.7	25.4	41.7		0	5.1	20.7	25.4	41.7		
STANDBY	0	0	0		0	0	0		0	0.4	0	0.4	0		0	0.4	0	0.4	0		
Ref No.	QR6151				QR6152				Q6201						Q6202						
MODE	E	C	B		E	C	B		1	2	3	4	5		1	2	3	4	5		
CD PLAY	20.9	41.5	20.7		20.9	41.5	20.7		0	5.1	20.7	25.4	41.7		0	5.1	20.7	25.4	41.7		
STANDBY	0	0	0		0	0	0		0	0.4	0	0.4	0		0	0.4	0	0.4	0		
Ref No.	QR6201				QR6202				Q6251						Q6252						
MODE	E	C	B		E	C	B		1	2	3	4	5		1	2	3	4	5		
CD PLAY	20.9	41.5	20.7		20.9	41.5	20.7		0	5.1	20.7	25.4	41.7		0	5.1	20.7	25.4	41.7		
STANDBY	0	0	0		0	0	0		0	0.4	0	0.4	0		0	0.4	0	0.4	0		
Ref No.	QR6251				QR6252				Q6301						Q6302						
MODE	E	C	B		E	C	B		1	2	3	4	5		1	2	3	4	5		
CD PLAY	20.9	41.5	20.7		20.9	41.5	20.7		0	5.1	20.7	25.4	41.7		0	5.1	20.7	25.4	41.7		
STANDBY	0	0	0		0	0	0		0	0.4	0	0.4	0		0	0.4	0	0.4	0		
Ref No.	QR6301				QR6302				Q6351						Q6352						
MODE	E	C	B		E	C	B		1	2	3	4	5		1	2	3	4	5		
CD PLAY	20.9	41.5	20.7		20.9	41.5	20.7		0	5.1	20.7	25.4	41.7		0	5.1	20.7	25.4	41.7		
STANDBY	0	0	0		0	0	0		0	0.4	0	0.4	0		0	0.4	0	0.4	0		
Ref No.	QR6351				QR6352				Q6451						Q6452						
MODE	E	C	B		E	C	B		1	2	3	4	5		1	2	3	4	5		
CD PLAY	20.9	41.5	20.7		20.9	41.5	20.7		0	5.1	20.7	25.4	41.7		0	5.1	20.7	25.4	41.7		
STANDBY	0	0	0		0	0	0		0	0.4	0	0.4	0		0	0.4	0	0.4	0		
Ref No.	QR6451				QR6452				QR6801				Q6802				QR6803				
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B		
CD PLAY	20.9	41.5	20.7		20.9	41.5	20.7		0	4.9	0		4.9	4.9	4.3		0	0	2.4		
STANDBY	0	0	0		0	0	0		0	4.9	0		4.9	4.9	4.3		0	0	0		
Ref No.	QR6804				QR6805				QR6806				Q6807				Q6808				
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B		
CD PLAY	3.3	0	3.3		41.7	0	41.7		0	4.9	0		0	0	0.6		0	3.8	0		
STANDBY	0	0	0		0	0	0		0	1.6	0		0	0	0		0	1.3	0		
Ref No.	Q6809				Q6810				Q6811				QR6851				QR6852				
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B		
CD PLAY	0	0	0.6		0	5.0	0		0	0.6	0.5		5.8	0	5.3		0	-6.2	0		
STANDBY	0	0	0		0	1.6	0		0	0	0		5.8	0	5.3		0	0	0		
Ref No.	QR6861				QR6862				Q6871												
MODE	E	C	B		E	C	B		E	C	B										
CD PLAY	5.8	0	5.3		0	-6.2	0		4.2	5.1	5.1										
STANDBY	5.8	0	5.3		0	0	0		0	5.1	0.9										

PANEL P.C.B.

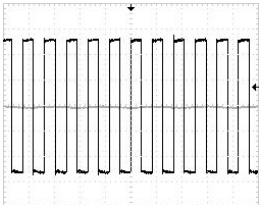
Ref No.	IC901																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	-27.8	-27.8	4.9	0	2.2	2.2	5.2	5.2	0	0	-30.5	5.0	-30.5	-30.5	-30.5	5.1	-30.5	-27.5	-24.7	-24.7
STANDBY	0.1	0.1	0	0	0.4	0.4	0.9	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ref No.	IC901																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	-30.5	-27.5	-30.5	-24.7	-27.5	-27.5	-27.5	-30.5	-24.7	-30.5	-24.7	-27.5	-27.5	-27.5	-27.5	-27.5	-27.5	-27.5	-27.5	-27.8
STANDBY	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ref No.	QR901				QR902				QR903				QR904				QR905			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	5.2	-27.4	2.3		-30.8	2.3	-30.5		5.2	-27.4	2.3		-30.8	2.3	-30.5		5.2	-27.4	2.3	
STANDBY	0.9	0.1	0.9		0.1	0.9	0.1		0.9	0.1	0.9		0.1	0.9	0.1		0.9	0.1	0.9	
Ref No.	QR906				QR907				QR909				QR911							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	-30.8	2.3	-30.5		0	0	4.5		0	0.1	4.5		0	4.9	0					
STANDBY	0.1	0.9	0.1		0	1.8	0		0	0.8	0		0	0.7	0					

POWER P.C.B.

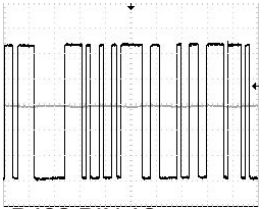
Ref No.	IC701																			
MODE	1	2	3	4	5															
CD PLAY	-1.5	-1.5	-	-1.2	-1.5															
STANDBY	-0.1	-0.1	0	0	-0.1															
Ref No.	IC702																			
MODE	1	2	3																	
CD PLAY	6.9	4.3	0																	
STANDBY	0	0	0																	
Ref No.	IC703																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	1.3	0.7	0.7	0	0	0	0	15.0												
STANDBY	0	0	0	0	0	0	0	0												
Ref No.	IC721																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	-1.5	-	-1.7	-1.5	-	-	-1.8	-1.8												
STANDBY	-0.8	-0.9	-0.8	-0.7	-	-	-1.0	-1.0												
Ref No.	IC731																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	3.5	2.5	-	2.1	0	4.2	18.5	5.0												
STANDBY	0	0	0	0	0	0.1	0	0												
Ref No.	Q701				Q702				Q703				Q704				Q705			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	-1.5	-1.1	-1.5		0.7	6.9	1.3		0.6	1.3	1.3		41.5	41.5	41.1		1.1	0.7	1.1	
STANDBY	-0.1	-0.1	-0.1		0	0	0		0	0	0		0	0.8	0		0	0	0	
Ref No.	Q723				Q731				Q732				Q733				Q734			
MODE	E	C	B		S	D	G		E	C	B		E	C	B		E	C	B	
CD PLAY	0	0	0.7		0	41.7	4.2		1.8	5.0	2.1		0	5.1	-3.3		41.7	18.5	41.2	
STANDBY	0	5.8	0		0	0	0		0	0	0		0	0.5	-0.6		0	0	0.2	
Ref No.	Q735				Q736				Q881				Q882				Q883			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	41.1	41.2	41.5		5.1	6.0	5.7		0	0	0.7		0	14.2	0		0	14.2	0	
STANDBY	0	0	0.1		0.1	0.1	0.1		0	0.6	0		0	0.6	0		0	0.8	0	
Ref No.	Q884																			
MODE	E	C	B																	
CD PLAY	0	0.1	0.7																	
STANDBY	0	0.7	0																	

VIDEO & OPTICAL P.C.B.

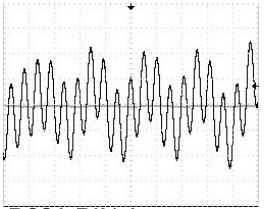
Ref No.	IC301																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	0	3.0	0	3.5	0	4.2	0	-5.1	0	3.5	0	0	0	0	0	5.1				
STANDBY	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0.1				
Ref No.	IC302																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	0	3.0	0	3.5	0	4.2	0	-5.1	0	3.5	0	0	0	0	0	5.1				
STANDBY	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0.1				
Ref No.	IC303																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	0	3.0	0	3.5	0	4.2	0	-5.1	0	3.5	0	0	0	0	0	5.1				
STANDBY	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0.1				
Ref No.	IC499																			
MODE	1	2	3	4	5	6														
CD PLAY	1.5	0	1.5	1.5	3.3	1.5														
STANDBY	0	0	0	0	0.1	0														



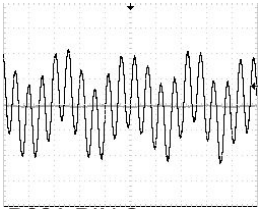
P402 PIN 11
CD PLAY
5.48Vp-p (1msec.div)



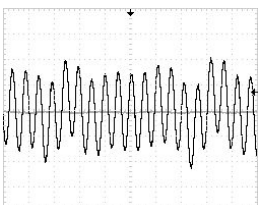
P402 PIN 13
CD PLAY
5.48Vp-p (5msec.div)



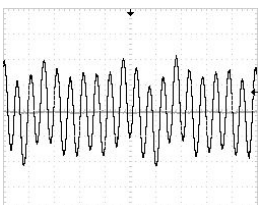
P601 PIN 1
CD PLAY
5.00Vp-p (5usec.div)



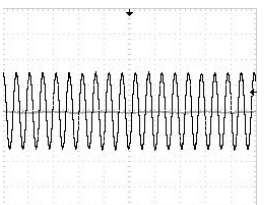
P601 PIN 2
CD PLAY
4.48Vp-p (5usec.div)



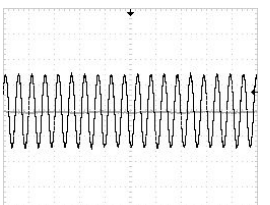
P601 PIN 3
CD PLAY
4.36Vp-p (5usec.div)



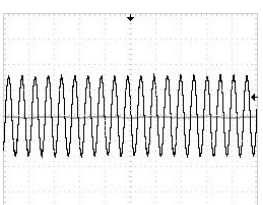
P601 PIN 4
CD PLAY
4.36Vp-p (5usec.div)



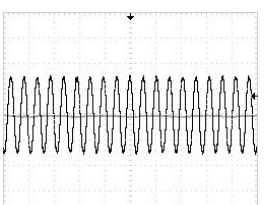
P603 PIN 1
CD PLAY
3.08Vp-p (5usec.div)



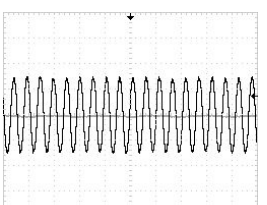
P603 PIN 2
CD PLAY
3.00Vp-p (5usec.div)



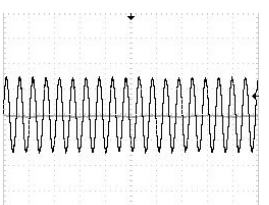
P621 PIN 5
CD PLAY
3.28Vp-p (5usec.div)



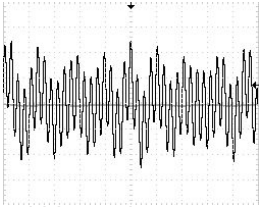
P621 PIN 6
CD PLAY
3.08Vp-p (5usec.div)



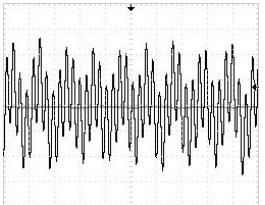
P621 PIN 7
CD PLAY
3.00Vp-p (5usec.div)



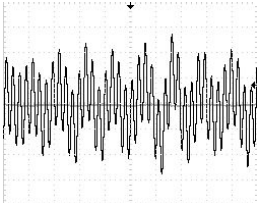
P621 PIN 8
CD PLAY
3.00Vp-p (5usec.div)



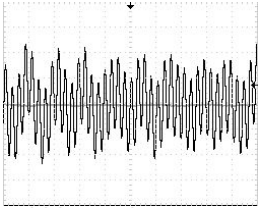
P622 PIN 2
CD PLAY
4.96Vp-p (10usec.div)



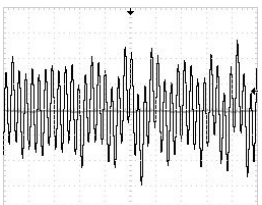
P622 PIN 4
CD PLAY
5.36Vp-p (10usec.div)



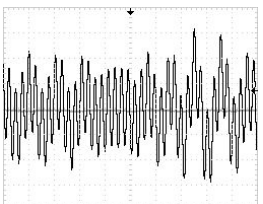
P622 PIN 5
CD PLAY
5.48Vp-p (10usec.div)



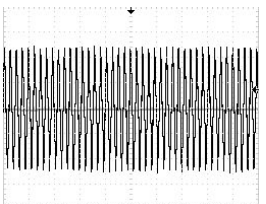
P622 PIN 6
CD PLAY
4.68Vp-p (10usec.div)



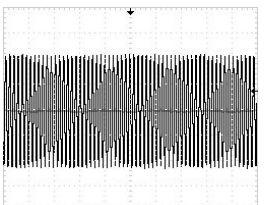
P622 PIN 7
CD PLAY
5.68Vp-p (10usec.div)



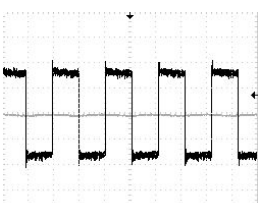
P622 PIN 8
CD PLAY
6.04Vp-p (10usec.div)



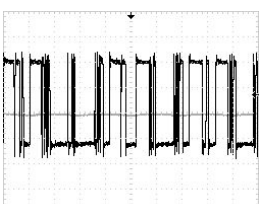
P906 PIN 14
CD PLAY
2.50Vp-p (10usec.div)



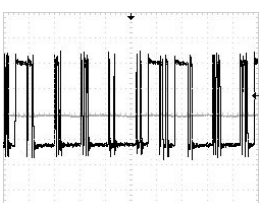
P906 PIN 15
CD PLAY
4.48Vp-p (500nsec.div)



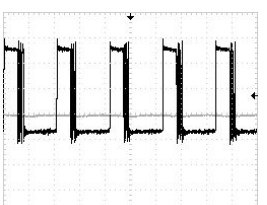
P906 PIN 16
CD PLAY
4.20Vp-p (2.5usec.div)



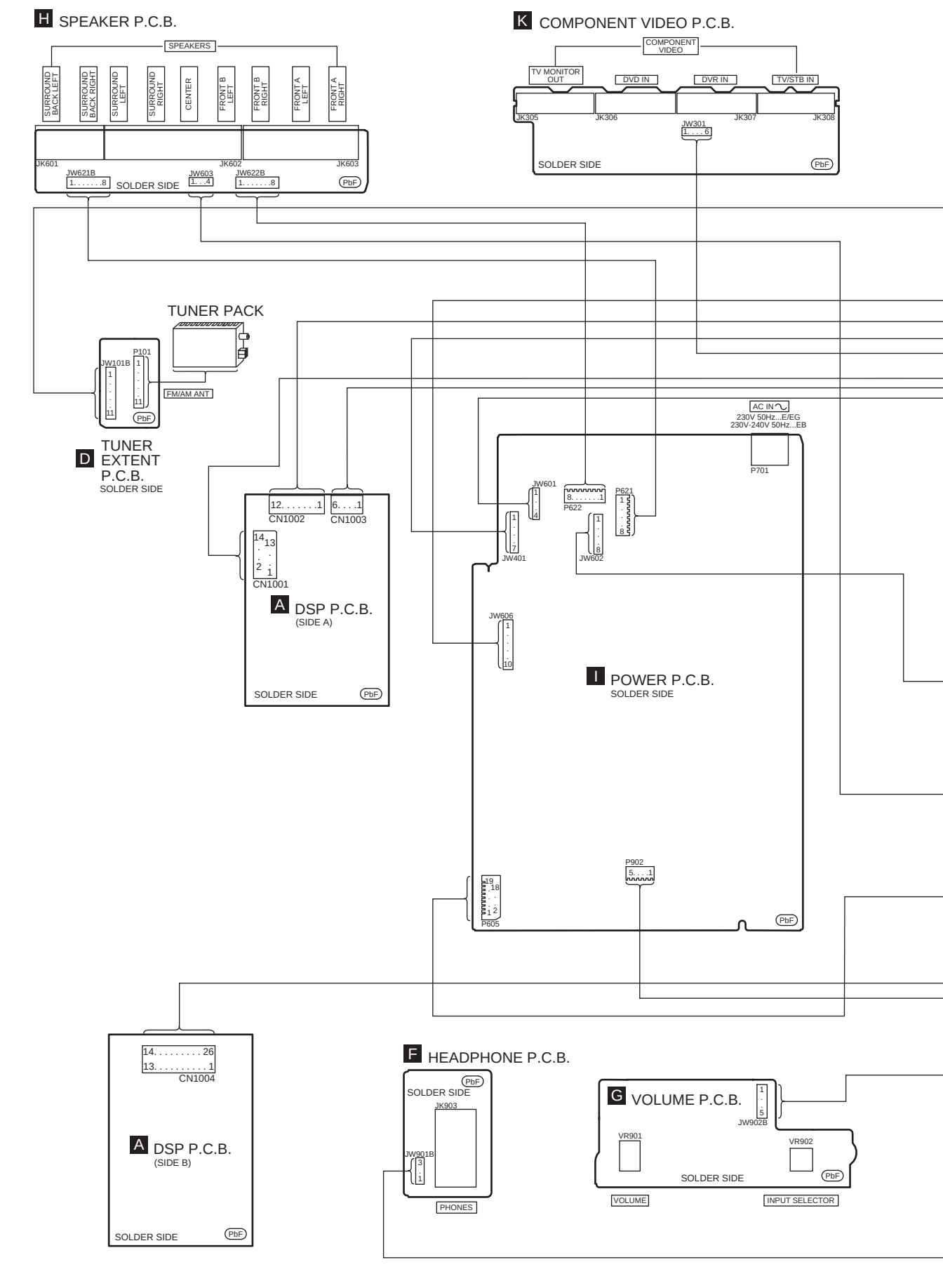
P906 PIN 18
CD PLAY
4.20Vp-p (2.5usec.div)

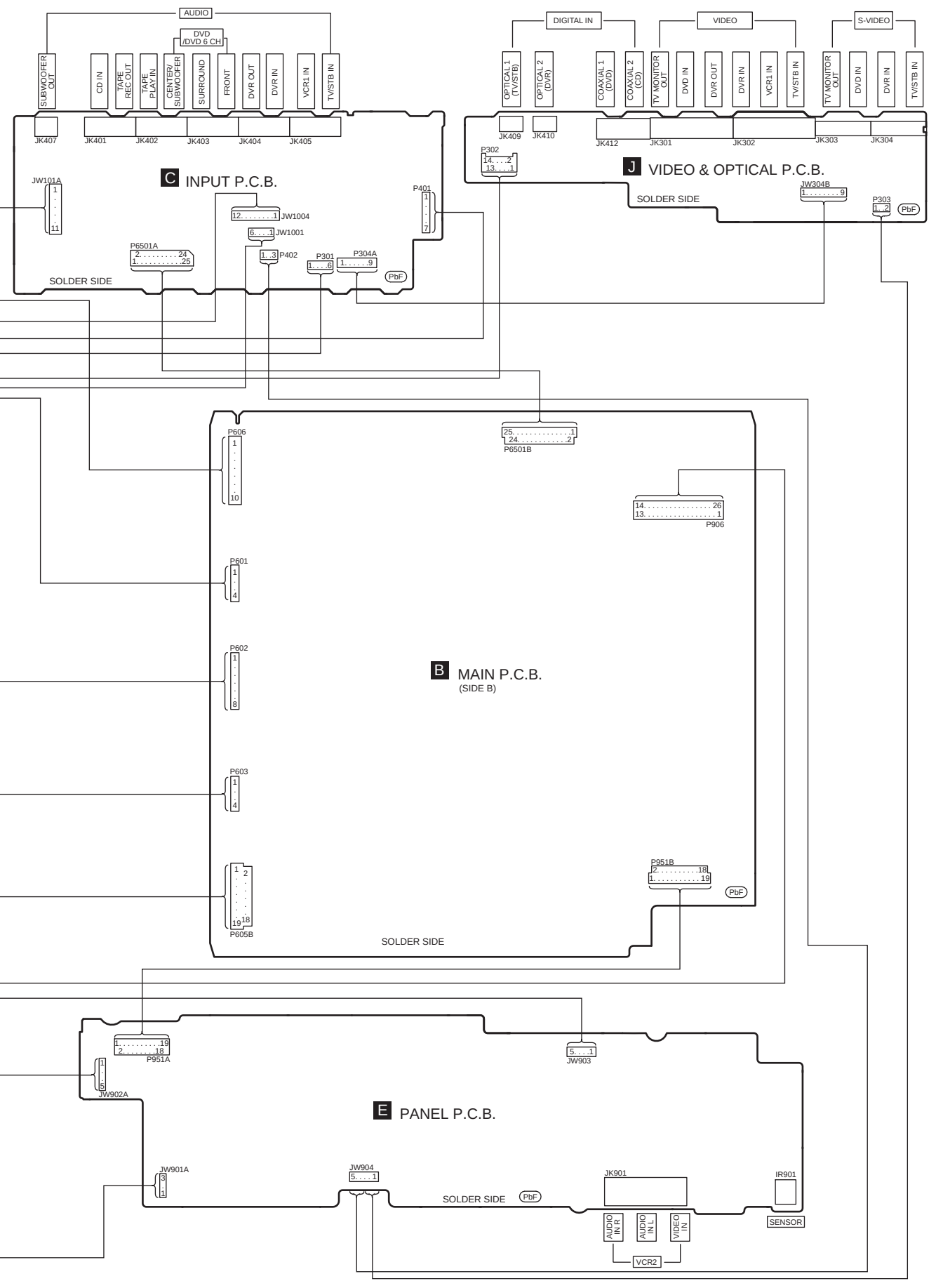


P906 PIN 20
CD PLAY
4.28Vp-p (2.5usec.div)



P906 PIN 21
CD PLAY
4.16Vp-p (2.5usec.div)


H SPEAKER P.C.B.
SPEAKERS
SURROUND BACK LEFT
SURROUND BACK RIGHT
SURROUND LEFT
SURROUND RIGHT
CENTER
FRONT B LEFT
FRONT B RIGHT
FRONT A LEFT
FRONT A RIGHT
JK601
JK602
JK603
JW621B
1. 8
SOLDER SIDE
JW603
1. . .4
JW622B
1. 8
PbF
K COMPONENT VIDEO P.C.B.
COMPONENT VIDEO
TV MONITOR OUT
DVD IN
DVR IN
TV/STB IN
JK305
JK306
JK307
JK308
JW301
1. . . . 6
SOLDER SIDE
PbF
TUNER PACK
JW101B
1
11
P101
1
11
FM/AM ANT
PbF
D TUNER EXTENT P.C.B.
SOLDER SIDE
AC IN
230V 50Hz...E/EG
230V-240V 50Hz...EB
P701
12. 1
CN1002
6. . . .1
CN1003
14
13
2
1
CN1001
A DSP P.C.B.
(SIDE A)
SOLDER SIDE
PbF
JW601
1
4
P622
8. 1
P621
1
8
JW401
1
7
JW602
1
8
JW606
1
10
I POWER P.C.B.
SOLDER SIDE
P902
5. . . 1
19
18
2
1
P605
PbF
14. 26
13. 1
CN1004
A DSP P.C.B.
(SIDE B)
SOLDER SIDE
PbF
F HEADPHONE P.C.B.
PbF
SOLDER SIDE
JK903
JW901B
3
1
PHONES
G VOLUME P.C.B.
1
5
JW902B
VR901
VR902
SOLDER SIDE
PbF
VOLUME
INPUT SELECTOR


AUDIO
DVD /DVD 6 CH
SUBWOOFER OUT
CD IN
TAPE REC OUT
TAPE PLAY IN
CENTER/ SUBWOOFER
SURROUND
FRONT
DVR OUT
DVR IN
VCR1 IN
TV/STB IN
JK407
JK401
JK402
JK403
JK404
JK405
C INPUT P.C.B.
JW101A
JW1004
JW1001
P6501A
P402
P301
P304A
P401
PbF
SOLDER SIDE
DIGITAL IN
VIDEO
S-VIDEO
OPTICAL 1 (TV/STB)
OPTICAL 2 (DVR)
COAXIAL 1 (DVD)
COAXIAL 2 (CD)
TV MONITOR OUT
DVD IN
DVR OUT
DVR IN
VCR1 IN
TV/STB IN
JK409
JK410
JK412
JK301
JK302
JK303
JK304
P302
J VIDEO & OPTICAL P.C.B.
JW304B
P303
SOLDER SIDE
P606
P6501B
P906
P601
P602
B MAIN P.C.B.
(SIDE B)
P603
P605B
P951B
SOLDER SIDE
P951A
JW903
JW902A
E PANEL P.C.B.
JW901A
JW904
JK901
IR901
SOLDER SIDE
AUDIO IN R
AUDIO IN L
VIDEO IN
VCR2
SENSOR

13.8. Component Video Circuit

14. Printed Circuit Board

14.1. DSP P.C.B. (Side A & B)

14.2. Main P.C.B. (Side A & B)

14.3. Input P.C.B.

14.4. Tuner Extent P.C.B., Panel P.C.B. & Headphone P.C.B.

14.5. Volume P.C.B. & Speaker P.C.B.

14.6. Power P.C.B.

14.7. Video & Optical P.C.B. & Component Video P.C.B.

15. Wiring Connection Diagram

16. Type Illustration of IC's, Transistors and Diodes

17. Terminal Function of ICs

17.1. IC6801 (C2BBGF000669): Microprocessor

Pin No.	Mark	I/O	Function
1	N.C.	-	No Connection
2	DC_DET	I	DC Short Detection
3	N.C.	-	No Connection
4	N.C.	-	No Connection
5	N.C.	-	No Connection
6	N.C.	-	No Connection
7	REQS	I/O	Communication to Sub 〃 P : Request from Sub 〃 P
8	REQM	I/O	Communication to Sub 〃 P : Request from Main 〃 P
9	M_CK	I/O	Communication to Main 〃 P : Clock
10	M2S_DT	O	Communication to Main 〃 P : Serial Output
11	S2M_DT	I	Communication to Main 〃 P : Serial Input

Pin No.	Mark	I/O	Function
12	F_BUSY	I/O	BUSY control for μP ROM Writing
13	F_CK	I	To rewrite μP ROM : CLOCK
14	V_A	I	Video Selector Control : A
15	F_DA	I	To rewrite μP ROM : DATA
16	V_B	I	Video Selector Control : B
17	REMOTE	I	Remote Control Signal Input
18	CNVSS / (VPP)	-	12V supply to rewrite Flash ROM
19	RESET	I	Reset Input
20	HOLD	I	Power Failure Detection
21	V_C	I	Video Selector Control :C
22	XIN	I/O	10MHz Connect to Oscillator
23	XOUT	I/O	10MHz Connect to Oscillator
24	VSS	-	Connect to GND
25	AF_MT	O	MUTE for AF
26	BI_AMP	O	BI-AMP RELAY
27	SUBW_MT	O	MUTE for SUBWFR
28	VCR_REC	I	VCR REC_MUTE control
29	N.C.	-	No Connection
30	N.C.	-	No Connection
31	N.C.	-	No Connection
32	TAPE_REC	-	TAPE REC OUT MUTE
33	SP_B	O	B Speaker Relay Control
34	POWER / _RLY	O	Power Relay Control
35	M_RESET	O	RESET signal for sub μP
36	BEAT_PRF	O	BEAT PROOF Control Output
37	SP_A	O	A Speaker Relay Control
38	N.C.	-	No Connection
39	RDS_CK	-	RDS IC Control : Clock
40	RDS_DI	-	RDS IC Control : Data
41	INIT_IN1	I	Initialize Setting Input 1
42	INIT_IN2	I	Initialize Setting Input 2
43	TUN_SD	I	SD Input for Tuner
44	TUN_DI/ST	I	IF data/Stereo detect input for Tuner Control

Pin No.	Mark	I/O	Function
45	TUN_CE	O	CE Output for tuner
46	SEL/TN/ / DA_CK	I/O	Input Selector and Tuner Control : Clock
47	SEL/TN/ / DA_DT	I	Input Selector and Tuner Control : Data
48	SEL_ST	I/O	Input Selector Control : Strobe
49	F_OE	O	To rewrite " P ROM : ENABLE
50	FL/LED_CK	I/O	FL & LED Driver Control : Clock
51	FL/LED_DT	O	FL & LED Driver Control : Data
52	FL_ST	O	FL Driver Control : Strobe
53	FLD_RST	O	RESET for FLD driver
54	DUAL_DRV	O	DUAL DRIVE control
55	A/D_ATT	I/O	A/D attenuator Control
56	SHORT / _DET	I	Output Short Detection (OVERLOAD)
57	VCC	-	+5V power supply
58	VREF	-	VCC Connected
59	AVSS	-	GND Connected
60	THRM_DET	I	Thermal Warning Detection / (CLIPPER)
61	SEL_ENC_A	I	Input Selector Encoder A
62	SEL_ENC_B	I	Input Selector Encoder B
63	KEY2	I	Key input 2
64	KEY1	I	Key input 1

18. Parts Location and Replacement Parts List

Notes:

- Important safety notice:

Components identified by ⚠ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardent (resistors), high-quality sound (capacitors), low noise (resistors), etc are used.

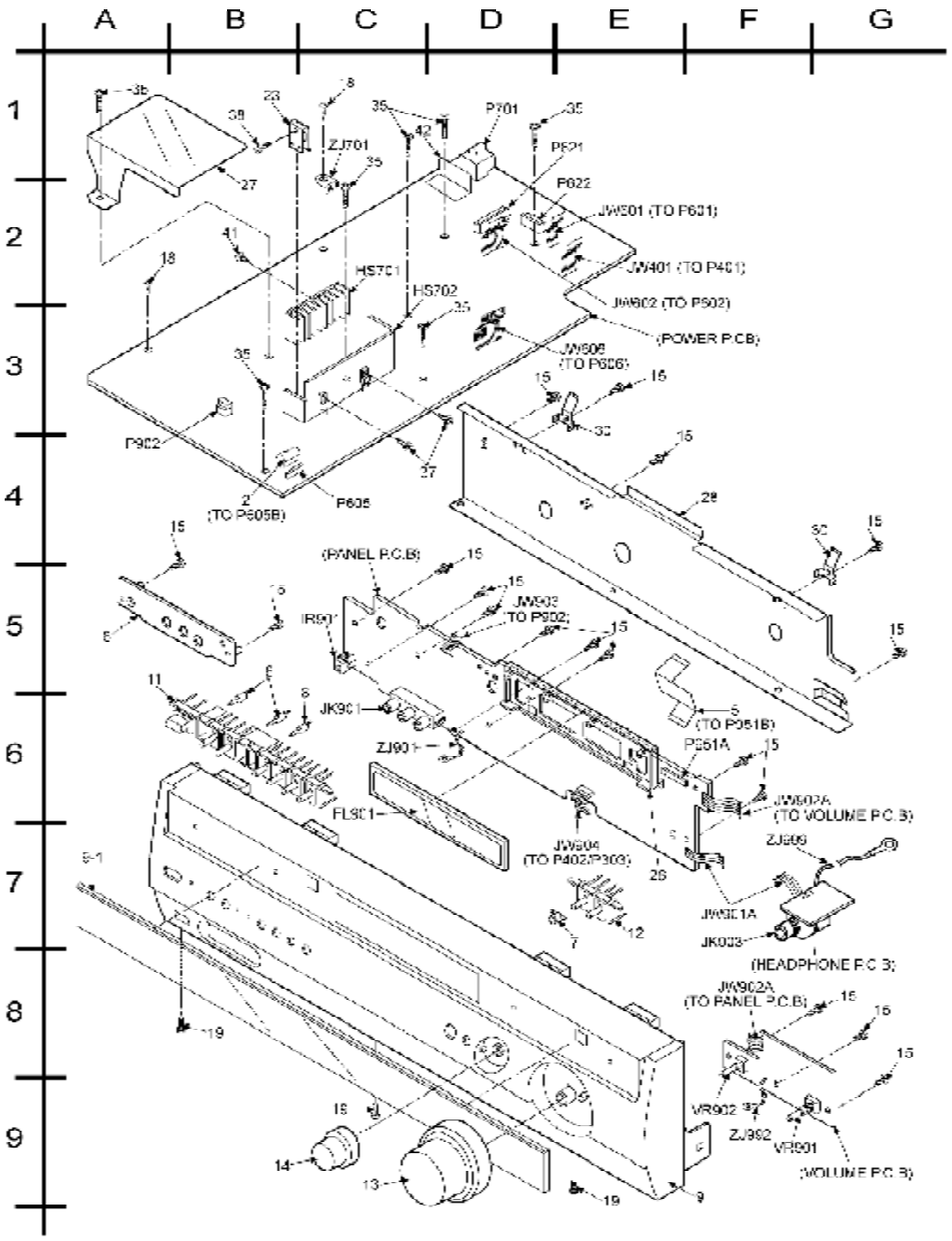
When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

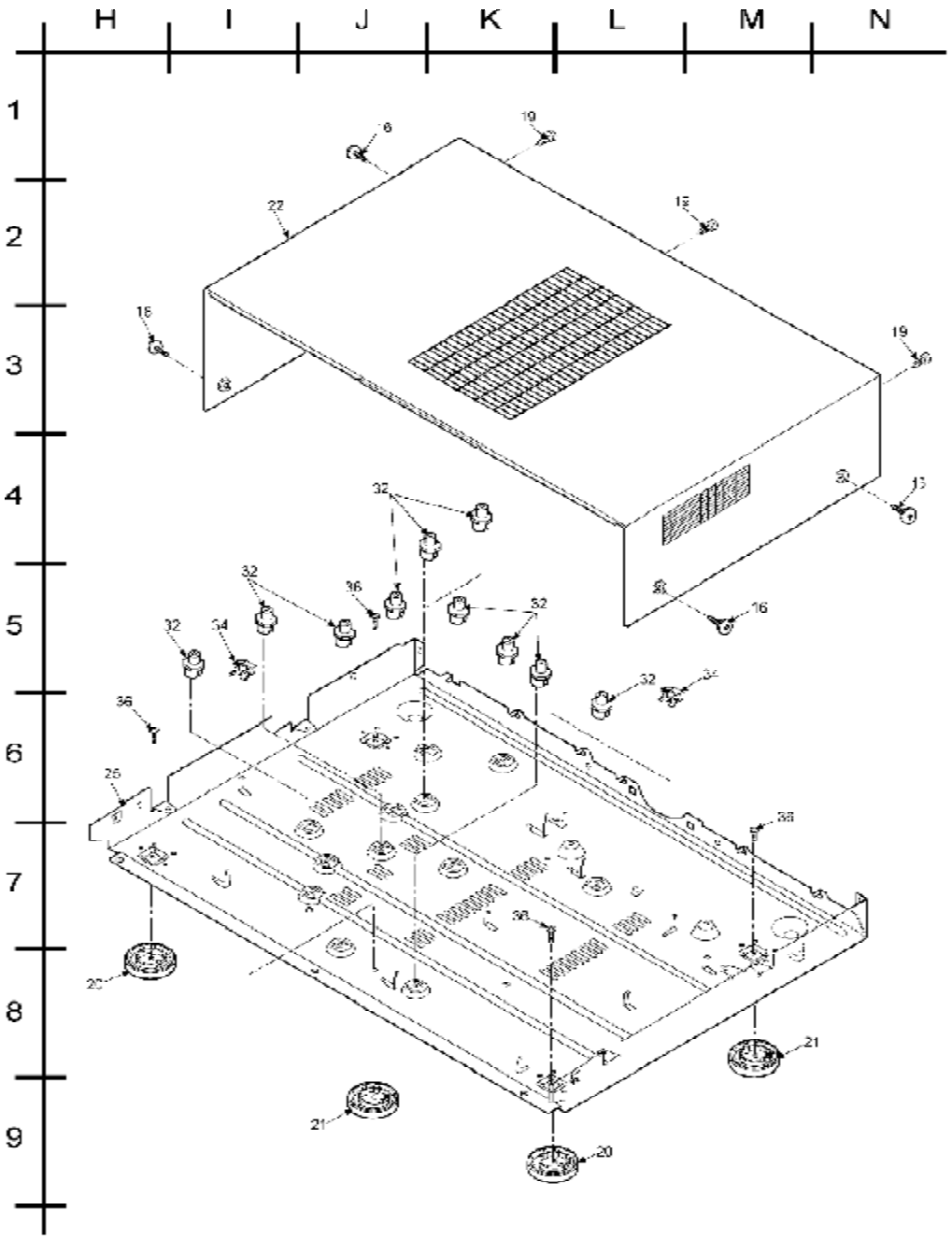
- The parenthesized indications in the Remarks columns specify the areas or colour. (Refer to the cover page for area or colour) Parts without these indications can be used for all areas.
- Capacitor values are in microfarads (μ F) unless specified otherwise, P= Pico-farads (pF), F= Farads.
- Resistance values are in ohms, unless specified otherwise, 1K= 1,000 (OHM).
- The marking (RTL) indicates that the Retention Time is limited for this items. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of a availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
- [M] Indicates in the Remarks columns indicates parts supplied by PAVCSG.
- Reference for O/I book languages are as follows:

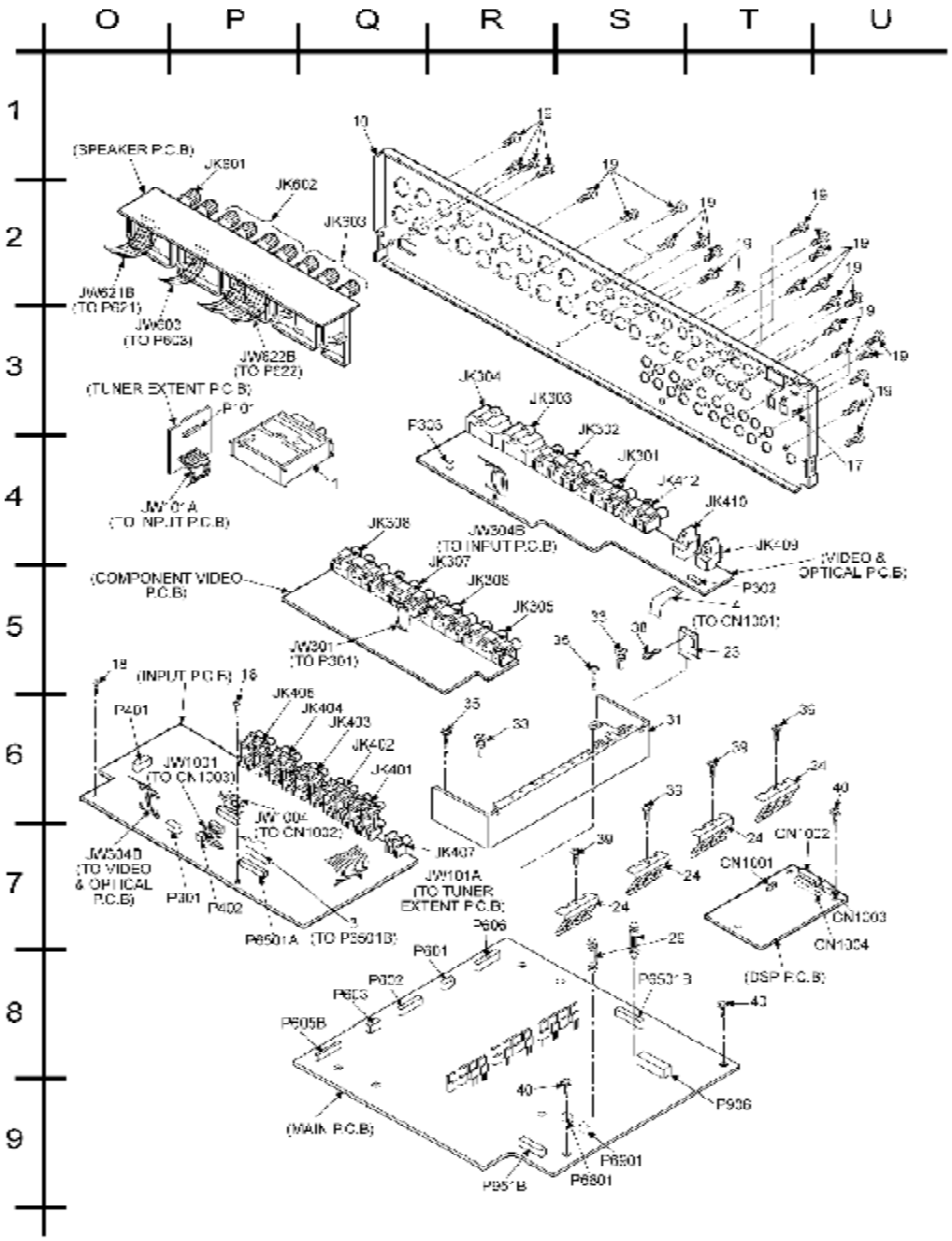
Ar : Arabic	Cf : Canadian French	Cz : Czech	Da : Danish
Du : Dutch	En : English	Fr : French	Ge : German
It : Italian	Ko : Korean	Po : Polish	Ru : Russian
Sp : Spanish	Sw : Swedish	Co : Traditional Chinese	Cn : Simplified Ch
Pe: Persian	Ur: Ukraine		

18.1. Cabinet Parts Location

18.1.1. Cabinet


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
ZJ701
P701
P621
P622
JW601 (TO P601)
JW401 (TO P401)
JW602 (TO P502)
(POWER P.C.B)
JW606
(TO P606)
HS701
HS702
P902
P605
(TO P605B)
(PANEL P.C.B)
JW503
(TO P502)
IR501
JK901
ZJ901
P551A
(TO P551B)
JW502A
(TO VOLUME P.C.B)
FLS01
JW504
(TO P402/P303)
ZJ909
JW501A
JK003
(HEADPHONE P.C.B)
JW902A
(TO PANEL P.C.B)
VR902
ZJ902
VR901
(VOLUME P.C.B)


H
I
J
K
L
M
N
1
2
3
4
5
6
7
8
9
6
19
27
15
18
19
32
13
16
32
32
34
36
32
32
36
25
38
30
22
21
21
20



18.1.2. Cabinet Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RAN0002EM-1	TUNER MODULE	[M]
2	REE1323	19P FFC WIRE	[M]
3	REE1324	25P FFC WIRE	[M]
4	REE1325	14P FFC WIRE	[M]
5	REE1326	19P FFC WIRE	[M]
6	RGK1738-K	VCR ORNAMENT	[M]K
6	RGK1738-S	VCR ORNAMENT	[M]S
7	RGK1855-H	BUTTON ORNAMENT	[M]K
7	RGK1855-W	BUTTON ORNAMENT	[M]S
8	RGL0534-Q	MONITOR LIGHT GUIDE	[M]
9	RFKGAXR55EGK	FRONT PANEL ASS'Y	[M]K
9	RFKGAXR55EGS	FRONT PANEL ASS'Y	[M]S
9-1	RKW0774-K	FL WINDOW	[M]K
9-1	RKW0774-S	FL WINDOW	[M]S
10	RGR0353B-B1	REAR PANEL	[M]
11	RGU2350-K	POWER BUTTON	[M]K
11	RGU2350-S	POWER BUTTON	[M]S
12	RGU2351-K	ENTER BUTTON	[M]K
12	RGU2351-S	ENTER BUTTON	[M]S
13	RGW0411-K	VOLUME KNOB	[M]K
13	RGW0411-S	VOLUME KNOB	[M]S
14	RGW0412-K	SELECTOR KNOB	[M]K
14	RGW0412-S	SELECTOR KNOB	[M]S
15	RHD26046-L	SCREW	[M]
16	RHD30007-1SJ	SCREW	[M]S
16	RHD30007-K2J	SCREW	[M]K
17	RHD30070	EARTH TERMINAL	[M]
18	RHD30111-3	SCREW	[M]
19	RHD30119-K	SCREW	[M]
20	RKA0079A-S	LEG UNIT	[M]
21	RKA0079B-K	LEG UNIT	[M]
22	RKM0523-K	TOP CABINET	[M]K
22	RKM0523-S	TOP CABINET	[M]S
23	RMC0477	THERMISTOR SPRING	[M]
24	RMC0617	TR SPRING	[M]
25	RMK0615-1	CHASSIS	[M]
26	RMN0804	FL HOLDER	[M]
27	RMQ1342	HEATSINK COVER	[M]
28	RMQ1408	FRONT SHIELD	[M]
29	RMR1359-W	PCB SUPPORT (DECODER)	[M]
30	RSC0734	PANEL EARTH PLATE	[M]
31	RXX0286	HEAT SINK UNIT	[M]
32	SHE185-3	PCB SUPPORT	[M]
33	SHR411	PLASTIC RIVET	[M]
34	SHRD163	CORD HOLDER	[M]
35	XTB3+16JFJ	SCREW	[M]
36	XTB3+6GFJ	SCREW	[M]
37	XTB3+8JFJ	SCREW	[M]
38	XTN26+4FFJ	SCREW	[M]
39	XTW3+8TFJ	SCREW	[M]
40	XYB3+F8FJ	SCREW	[M]
41	XYN3+F10FJ	SCREW	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
42	RMQ1462	BARRIER	[M]

18.2. Electrical Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PRINTED CIRCUIT BOARD	
	REP3890A-T	DSP P.C.B. (SIDE A & B)	[M](RTL)
	REP3888B-M	MAIN P.C.B. (SIDE A & B)	[M](RTL)
	REP3889B-S	INPUT P.C.B. / TUNER EXTENT P.C.B. / PANEL P.C.B. / HEADPHONE P.C.B. / VOLUME P.C.B. / VIDEO & OPTICAL P.C.B. / COMPONENT VIDEO P.C.B.	[M](RTL)
	REP3891C-P	SPEAKER P.C.B. / POWER P.C.B.	[M](RTL)
		INTEGRATED CIRCUITS	
IC201	C1BB00000987	IC RDS	[M]
IC301	C1AB00001931	IC VIDEO SELECTOR	[M]
IC302	C1AB00001931	IC VIDEO SELECTOR	[M]
IC303	C1AB00001931	IC VIDEO SELECTOR	[M]
IC304	C1AB00002029	IC SW AMP	[M]
IC402	C0JZAS000004	IC SELECTOR	[M]
IC499	C0JBAB000685	IC INVERTER	[M]
IC501	C0ABBB000125	IC OP AMP	[M]
IC502	C0ABBB000102	IC OP AMP	[M]
IC503	C0ABBB000102	IC OP AMP	[M]
IC504	C0ABBB000125	IC OP AMP	[M]
IC505	C0ABBB000102	IC OP AMP	[M]
IC506	C0ABBB000102	IC OP AMP	[M]
IC507	C0ABBB000125	IC OP AMP	[M]
IC508	C0ABBB000102	IC OP AMP	[M]
IC509	C0ABBB000102	IC OP AMP	[M]
IC701	C5HABZZ00125	IC SWITCHING PWR	[M]
IC702	C0EAS0000032	IC VOLTAGE DETECTOR	[M]
IC703	C0ABBA000073	IC OP AMP	[M]
IC721	MIP2C10MPSCF	IC SWITCHING	[M]
IC731	C0DACZZ00007	IC PWM CONTROLLER	[M]
IC901	C0HBB0000044	IC FL DRIVER	[M]
IC1001	C0JBAB000633	IC LOGIC INVERTER	[M]
IC1002	C0JBAB000702	IC INVERTER	[M]
IC1003	C3BBHC000348	IC SRAM	[M]
IC1005	C0JBAR000400	IC MULTIPLEXER	[M]
IC1006	C0JBAF000540	IC D FLIP-FLOP	[M]
IC1007	C2HBCK000001	IC DSP	[M]
IC1008	C1BB00000692	IC DIR	[M]
IC1009	C1BB00000672	IC ADC	[M]
IC1010	C1BB00000672	IC ADC	[M]
IC1011	C1BB00000672	IC ADC	[M]
IC6001	C0DBEKG00004	IC REGULATOR	[M]
IC6051	C0AABB000129	IC OP AMP	[M]
IC6082	C0AABB000129	IC OP AMP	[M]
IC6101	C1BB00000835	IC DUAL H-BRIDGE DRIVE	[M]
IC6201	C1BB00000835	IC DUAL H-BRIDGE DRIVE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
IC6301	C1BB00000835	IC DUAL H-BRIDGE DRIVE	[M]
IC6401	C1BB00000835	IC DUAL H-BRIDGE DRIVE	[M]
IC6601	C1BB00000834	IC 6CH PWM PROCESSOR	[M]
IC6602	C0JBAA000244	IC STANDARD GATE	[M]
IC6603	C0JBAB000710	IC CHIP GATE	[M]
IC6671	C0JBAZ001539	IC LOGIC	[M]
IC6701	C1BB00000834	IC 6CH PWM PROCESSOR	[M]
IC6720	C0JBAA000244	IC STANDARD GATE	[M]
IC6801	C2BBGF000669	IC MAIN MICRO-P	[M]
IC6901	C2CBJG000650	IC SUB MICRO-P	[M]
IC6903	C0JBAA000175	IC LOGIC	[M]
IC6904	C0JBAA000244	IC STANDARD GATE	[M]
IC6971	C0DBEKG00004	IC REGULATOR	[M]
IC6972	C0DBEKG00004	IC REGULATOR	[M]
		TRANSISTORS	
Q101	2SD0592AWA	TRANSISTOR	[M]
Q102	2SD0592AWA	TRANSISTOR	[M]
Q401	B1CABA000003	TRANSISTOR	[M]
Q402	B1CABA000003	TRANSISTOR	[M]
Q403	B1CABA000003	TRANSISTOR	[M]
Q404	B1CABA000003	TRANSISTOR	[M]
Q405	2SD0592AWA	TRANSISTOR	[M]
Q406	2SB0621AHA	TRANSISTOR	[M]
Q501	B1GFGCAA0001	TRANSISTOR	[M]
Q502	B1GFGCAA0001	TRANSISTOR	[M]
Q503	B1GFGCAA0001	TRANSISTOR	[M]
Q505	B1ABEC000010	TRANSISTOR	[M]
Q506	2SC3311ARA	TRANSISTOR	[M]
Q701	B1BACJ000005	TRANSISTOR	[M]
Q702	B1ABCF000011	TRANSISTOR	[M]
Q703	B1ABCF000011	TRANSISTOR	[M]
Q704	B1ADCF000001	TRANSISTOR	[M]
Q705	B1ADCF000001	TRANSISTOR	[M]
Q723	B1AAGC000006	TRANSISTOR	[M]
Q731	B1DEGL000008	TRANSISTOR	[M]
Q732	B1ABCF000011	TRANSISTOR	[M]
Q733	B1GBCFJA0002	TRANSISTOR	[M]
Q734	2SB0621AHA	TRANSISTOR	[M]
Q735	B1ABCF000011	TRANSISTOR	[M]
Q736	B1AAGC000006	TRANSISTOR	[M]
Q881	B1AAGC000006	TRANSISTOR	[M]
Q882	B1AAGC000006	TRANSISTOR	[M]
Q883	B1AAGC000006	TRANSISTOR	[M]
Q884	B1AAGC000006	TRANSISTOR	[M]
Q6001	B1ABDB000035	TRANSISTOR	[M]
Q6002	B1ABDB000035	TRANSISTOR	[M]
Q6003	B1ABDB000035	TRANSISTOR	[M]
Q6004	B1ABDB000035	TRANSISTOR	[M]
Q6005	B1GFGCAA0001	TRANSISTOR	[M]
Q6006	B1GFGCAA0001	TRANSISTOR	[M]
Q6081	B1GFGCAA0001	TRANSISTOR	[M]
Q6091	B1ABDB000035	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
Q6092	B1ABDB000035	TRANSISTOR	[M]
Q6101	B1DEGF000004	TRANSISTOR	[M]
Q6102	B1DEGF000004	TRANSISTOR	[M]
Q6151	B1DEGF000004	TRANSISTOR	[M]
Q6152	B1DEGF000004	TRANSISTOR	[M]
Q6201	B1DEGF000004	TRANSISTOR	[M]
Q6202	B1DEGF000004	TRANSISTOR	[M]
Q6251	B1DEGF000004	TRANSISTOR	[M]
Q6252	B1DEGF000004	TRANSISTOR	[M]
Q6301	B1DEGF000004	TRANSISTOR	[M]
Q6302	B1DEGF000004	TRANSISTOR	[M]
Q6351	B1DEGF000004	TRANSISTOR	[M]
Q6352	B1DEGF000004	TRANSISTOR	[M]
Q6451	B1DEGF000004	TRANSISTOR	[M]
Q6452	B1DEGF000004	TRANSISTOR	[M]
Q6802	B1ADCF000063	TRANSISTOR	[M]
Q6807	B1ABCF000079	TRANSISTOR	[M]
Q6808	B1ABCF000079	TRANSISTOR	[M]
Q6809	B1ABCF000079	TRANSISTOR	[M]
Q6810	B1CBGD000001	TRANSISTOR	[M]
Q6871	B1CBGD000001	TRANSISTOR	[M]
QR401	UNR211500L	CHIP TRANSISTOR	[M]
QR403	UNR211500L	CHIP TRANSISTOR	[M]
QR502	B1GDCFJJ0008	CHIP TRANSISTOR	[M]
QR503	UNR211500L	CHIP TRANSISTOR	[M]
QR901	B1GCCFJJ0008	CHIP TRANSISTOR	[M]
QR902	B1GACFGG0004	TRANSISTOR	[M]
QR903	B1GCCFJJ0008	TRANSISTOR	[M]
QR904	B1GACFGG0004	TRANSISTOR	[M]
QR905	B1GCCFJJ0008	CHIP TRANSISTOR	[M]
QR906	B1GACFGG0004	TRANSISTOR	[M]
QR907	B1GACFJN0007	LED DRIVER	[M]
QR909	B1GACFJN0007	LED DRIVER	[M]
QR911	B1GACFJN0007	LED DRIVER	[M]
QR1001	B1GDCFJN0001	CHIP TRANSISTOR	[M]
QR1002	B1GBCFJJ0007	CHIP TRANSISTOR	[M]
QR1003	B1GBCFJJ0007	CHIP TRANSISTOR	[M]
QR6101	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6102	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6151	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6152	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6201	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6202	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6251	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6252	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6301	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6302	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6351	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6352	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6451	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6452	B1GBCFQQ0002	CHIP TRANSISTOR	[M]
QR6801	B1GBCFJN0009	CHIP TRANSISTOR	[M]
QR6803	B1GBCFJJ0007	CHIP TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
QR6804	B1GDCFJJ0008	DIGITAL TRANSISTOR	[M]
QR6805	B1GDCFJJ0008	DIGITAL TRANSISTOR	[M]
QR6806	B1GBCFJJ0007	DIGITAL TRANSISTOR	[M]
QR6811	B1GBCFQQ0002	DIGITAL TRANSISTOR	[M]
QR6851	B1GDCFJJ0008	DIGITAL TRANSISTOR	[M]
QR6852	B1GDCFJJ0008	DIGITAL TRANSISTOR	[M]
QR6861	B1GDCFJJ0008	DIGITAL TRANSISTOR	[M]
QR6862	B1GDCFJJ0008	DIGITAL TRANSISTOR	[M]
		DIODES	
D301	MA2J11100L	DIODE	[M]
D302	MA2J11100L	DIODE	[M]
D401	MA2J11100L	DIODE	[M]
D402	MA2J11100L	DIODE	[M]
D403	MA2J11100L	DIODE	[M]
D404	MA2J11100L	DIODE	[M]
D405	B0ADCJ000020	DIODE	[M]
D406	MAZ80560ML	DIODE	[M]
D407	MAZ80560ML	DIODE	[M]
D701	B0FFAR000001	DIODE	[M]
D702	B0ZAZ0000052	DIODE	[M]
D703	B0BA03000015	DIODE	[M]
D704	B0JAME000025	DIODE	[M]
D705	B0HAJL000001	DIODE	[M]
D706	B0HAJL000001	DIODE	[M]
D707	MTZJ39DTA	DIODE	[M]
D708	B0BA01800019	DIODE	[M]
D709	B0ACCK000005	DIODE	[M]
D710	B0HAJL000001	DIODE	[M]
D711	B0HASM000003	DIODE	[M]
D713	B0ACCK000005	DIODE	[M]
D714	B0ACCK000005	DIODE	[M]
D715	B0EDKT000009	DIODE	[M]
D721	B0HAJL000001	DIODE	[M]
D722	B0HAGR000002	DIODE	[M]
D723	B0JAJG000002	DIODE	[M]
D724	MAZ80470ML	DIODE	[M]
D728	B0ACCK000005	DIODE	[M]
D731	B0HAJL000001	DIODE	[M]
D732	B0JAME000025	DIODE	[M]
D733	B0HANM000012	DIODE	[M]
D734	B0HANM000012	DIODE	[M]
D735	B0HAJL000001	DIODE	[M]
D736	B0HAJL000001	DIODE	[M]
D737	B0HAJL000001	DIODE	[M]
D738	B0EAKM000122	DIODE	[M]
D739	B0ACCK000005	DIODE	[M]
D740	B0BA01800019	DIODE	[M]
D741	B0ACCK000005	DIODE	[M]
D742	B0ACCK000005	DIODE	[M]
D743	MAZ80560ML	DIODE	[M]
D744	B0ACCK000005	DIODE	[M]
D745	B0EAKM000122	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D881	B0ACCK000005	DIODE	[M]
D882	B0ACCK000005	DIODE	[M]
D883	B0ACCK000005	DIODE	[M]
D884	B0EAKM000122	DIODE	[M]
D885	B0ACCK000005	DIODE	[M]
D902	MAZ80560ML	DIODE	[M]
D904	MA2J11100L	DIODE	[M]
D906	MA2J11100L	DIODE	[M]
D907	MA2J11100L	DIODE	[M]
D909	MA2J11100L	DIODE	[M]
D997	B3AAA0000487	DIODE	[M]
D998	B3AAA0000487	DIODE	[M]
D999	B3AAA0000489	DIODE	[M]
D1001	B0ACCK000005	DIODE	[M]
D1002	B0ACCK000005	DIODE	[M]
D1003	B0ACCK000005	DIODE	[M]
D1004	B0ACCK000005	DIODE	[M]
D1005	B0ACCK000005	DIODE	[M]
D1006	B0ACCK000005	DIODE	[M]
D6101	B0ACCK000005	DIODE	[M]
D6103	B0JCMG000016	DIODE	[M]
D6104	B0JCMG000016	DIODE	[M]
D6124	B0ACCK000005	DIODE	[M]
D6125	B0ACEM000009	DIODE	[M]
D6153	B0JCMG000016	DIODE	[M]
D6154	B0JCMG000016	DIODE	[M]
D6174	B0ACCK000005	DIODE	[M]
D6175	B0ACEM000009	DIODE	[M]
D6201	B0ACCK000005	DIODE	[M]
D6203	B0JCMG000016	DIODE	[M]
D6204	B0JCMG000016	DIODE	[M]
D6224	B0ACCK000005	DIODE	[M]
D6225	B0ACEM000009	DIODE	[M]
D6253	B0JCMG000016	DIODE	[M]
D6254	B0JCMG000016	DIODE	[M]
D6274	B0ACCK000005	DIODE	[M]
D6275	B0ACEM000009	DIODE	[M]
D6301	B0ACCK000005	DIODE	[M]
D6303	B0JCMG000016	DIODE	[M]
D6304	B0JCMG000016	DIODE	[M]
D6324	B0ACCK000005	DIODE	[M]
D6325	B0ACEM000009	DIODE	[M]
D6353	B0JCMG000016	DIODE	[M]
D6354	B0JCMG000016	DIODE	[M]
D6374	B0ACCK000005	DIODE	[M]
D6375	B0ACEM000009	DIODE	[M]
D6401	B0ACCK000005	DIODE	[M]
D6453	B0JCMG000016	DIODE	[M]
D6454	B0JCMG000016	DIODE	[M]
D6474	B0ACCK000005	DIODE	[M]
D6475	B0ACEM000009	DIODE	[M]
D6601	B0ACCK000005	DIODE	[M]
D6603	B0ACCK000005	DIODE	[M]
D6723	B0ACCK000005	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D6801	B0ACCE000003	DIODE	[M]
D6802	B0ACCE000003	DIODE	[M]
D6803	B0JCCE000002	DIODE	[M]
D6804	B0ACCK000005	DIODE	[M]
D6806	B0ACCK000005	DIODE	[M]
D6808	B0ACCE000003	DIODE	[M]
D6811	B0ACCK000005	DIODE	[M]
D6812	B0ACCK000005	DIODE	[M]
D6813	B0ACCK000005	DIODE	[M]
D6814	MAZ80560ML	DIODE	[M]
D6851	B0ACCK000005	DIODE	[M]
D6852	B0ACCK000005	DIODE	[M]
D6861	B0ACCK000005	DIODE	[M]
D6862	B0ACCK000005	DIODE	[M]
D6872	MAZ80390LL	DIODE	[M]
D6901	B0ACCK000005	DIODE	[M]
D6920	B0ACCK000005	DIODE	[M]
DZ701	ERZV10V511CS	ZENER	[M] ⚠
LB704	J0JKB0000020	EMI BEAD CORE	[M]
LB731	J0JKB0000020	EMI BEAD CORE	[M]
LB751	J0JBC0000014	CHIP COIL	[M]
LB752	J0JBC0000014	CHIP COIL	[M]
LB753	J0JBC0000014	CHIP COIL	[M]
LB1001	J0JCC0000119	FERRITE BEAD	[M]
LB1003	J0JHC0000021	CHIP COIL	[M]
LB1004	J0JCC0000119	FERRITE BEAD	[M]
LB1005	J0JHC0000021	CHIP COIL	[M]
LB1006	J0JHC0000021	CHIP COIL	[M]
LB1007	J0JHC0000021	CHIP COIL	[M]
LB1008	J0JHC0000021	CHIP COIL	[M]
LB1009	J0JCC0000119	FERRITE BEAD	[M]
LB1010	J0JCC0000119	FERRITE BEAD	[M]
LB1011	J0JHC0000021	CHIP COIL	[M]
LB1012	J0JHC0000021	CHIP COIL	[M]
LB1013	J0JHC0000021	CHIP COIL	[M]
LB1014	J0JHC0000021	CHIP COIL	[M]
LB1015	J0JHC0000021	CHIP COIL	[M]
LB6001	J0JGC0000017	FERRITE BEAD	[M]
LB6701	J0JGC0000017	FERRITE BEAD	[M]
LB6702	J0JGC0000017	FERRITE BEAD	[M]
LB6801	J0JBC0000014	CHIP COIL	[M]
LB6802	J0JBC0000014	CHIP COIL	[M]
LB6803	J0JBC0000014	CHIP COIL	[M]
LB6804	J0JBC0000014	CHIP COIL	[M]
LB6805	J0JBC0000014	CHIP COIL	[M]
LB6806	J0JBC0000014	CHIP COIL	[M]
LB6808	J0JBC0000014	CHIP COIL	[M]
LB6809	J0JBC0000014	CHIP COIL	[M]
LB6810	J0JBC0000014	CHIP COIL	[M]
LB6811	J0JBC0000014	CHIP COIL	[M]
LB6812	J0JBC0000014	CHIP COIL	[M]
LB6813	J0JBC0000014	CHIP COIL	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
LB6814	J0JBC0000014	CHIP COIL	[M]
LB6815	J0JBC0000014	CHIP COIL	[M]
LB6909	J0JBC0000014	CHIP COIL	[M]
LB6910	J0JBC0000014	CHIP COIL	[M]
LB6911	J0JBC0000014	CHIP COIL	[M]
		VARIABLE RESISTORS	
VR901	EVEKD2F3024B	ROTARY ENCODER	[M]
VR902	K9AA012A0007	ENCORDER	[M]
		SWITCHES	
S901	EVQ21405RJ	SW POWER	[M]
S902	EVQ21405RJ	SW SPEAKER A	[M]
S903	EVQ21405RJ	SW BAND	[M]
S904	EVQ21405RJ	SW PRESET	[M]
S906	EVQ21405RJ	SW SPEAKER B	[M]
S907	EVQ21405RJ	SW TUNE DOWN	[M]
S908	EVQ21405RJ	SW TUNE UP	[M]
S909	EVQ21405RJ	SW MULTI CONTROL	[M]
S910	EVQ21405RJ	SW ENTER	[M]
		CONNECTORS	
CN1001	K1MN14A00092	14P FFC CONNECTOR	[M]
CN1002	K1KA12BA0059	12P CONNECTOR	[M]
CN1003	K1KA06BA0047	6P CONNECTOR	[M]
CN1004	K1KB26A00044	26P CONNECTOR	[M]
P101	K1KA11AA0031	11P CONNECTOR	[M]
P301	K1MP06A00008	6P CONNECTOR	[M]
P302	K1MN14B00066	14P FFC CONNECTOR	[M]
P303	K1KA02AA0193	2P CONNECTOR	[M]
P401	K1MP07A00002	7P CONNECTOR	[M]
P402	K1KA03AA0193	3P CONNECTOR	[M]
P601	K1MP04A00007	4P CONNECTOR	[M]
P602	K1MP08A00003	8P CONNECTOR	[M]
P603	K1MP04A00007	4P CONNECTOR	[M]
P605	K1MN19A00036	19P FFC CONNECTOR	[M]
P605B	K1MN19A00036	19P FFC CONNECTOR	[M]
P606	K1MP10A00007	10P CONNECTOR	[M]
P621	K1MP08A00003	8P CONNECTOR	[M]
P622	K1MP08A00003	8P CONNECTOR	[M]
P902	K1MP05A00009	5P CONNECTOR	[M]
P906	K1KA26A00089	26P CONNECTOR	[M]
P951A	K1MN19B00026	19P CONNECTOR	[M]
P951B	K1MN19A00036	19P FFC CONNECTOR	[M]
P6501A	K1MN25A00019	25P FFC CONNECTOR	[M]
P6501B	K1MN25A00019	25P FFC CONNECTOR	[M]
P6801	K1MN10A00030	10P CONNECTOR	[M]
P6901	K1MN10A00030	10P CONNECTOR	[M]
		COILS & TRANSFORMERS	

Ref. No.	Part No.	Part Name & Description	Remarks
L101	G0A200D00002	RF CHOKE COIL	[M]
L201	J0JBC0000041	CHIP INDUCTOR	[M]
L202	J0JBC0000041	CHIP INDUCTOR	[M]
L301	J0JBC0000033	CHIP INDUCTOR	[M]
L302	J0JBC0000033	CHIP INDUCTOR	[M]
L303	J0JBC0000033	CHIP INDUCTOR	[M]
L304	J0JBC0000033	CHIP INDUCTOR	[M]
L305	J0JBC0000033	CHIP INDUCTOR	[M]
L306	J0JBC0000033	CHIP INDUCTOR	[M]
L307	J0JBC0000033	CHIP INDUCTOR	[M]
L309	J0JBC0000033	CHIP INDUCTOR	[M]
L310	J0JBC0000033	CHIP INDUCTOR	[M]
L311	J0JBC0000033	CHIP INDUCTOR	[M]
L312	J0JBC0000033	CHIP INDUCTOR	[M]
L313	J0JBC0000033	CHIP INDUCTOR	[M]
L314	J0JBC0000033	CHIP INDUCTOR	[M]
L315	J0JBC0000033	CHIP INDUCTOR	[M]
L496	VLQ0855M1R0T	CHIP INDUCTOR	[M]
L497	RLQZ150M-0	CHOKE COIL	[M]
L498	RLQZ150M-0	CHOKE COIL	[M]
L499	VLQ0855M1R0T	CHIP INDUCTOR	[M]
L701	ELF18N067E	COMMON MODE COIL	[M] ⚠
L702	ELF21N015E	COMMON MODE COIL	[M] ⚠
L703	ELF21N015E	COMMON MODE COIL	[M] ⚠
L732	G0A200D00002	RF CHOKE COIL	[M]
L733	G0A200D00002	RF CHOKE COIL	[M]
L734	G0A200D00002	RF CHOKE COIL	[M]
L741	G0A200D00002	RF CHOKE COIL	[M]
L742	G0A200D00002	RF CHOKE COIL	[M]
L901	J0JBC0000014	CHIP COIL	[M]
L902	J0JBC0000014	CHIP COIL	[M]
L903	J0JBC0000014	CHIP COIL	[M]
L904	J0JBC0000014	CHIP COIL	[M]
L905	J0JBC0000014	CHIP COIL	[M]
L906	J0JBC0000014	CHIP COIL	[M]
L907	J0JBC0000014	CHIP COIL	[M]
L908	J0JBC0000014	CHIP COIL	[M]
L909	J0JBC0000014	CHIP COIL	[M]
L910	J0JBC0000014	CHIP COIL	[M]
L911	J0JBC0000014	CHIP COIL	[M]
L912	J0JBC0000014	CHIP COIL	[M]
L913	J0JBC0000014	CHIP COIL	[M]
L914	J0JBC0000014	CHIP COIL	[M]
L915	J0JBC0000033	CHIP INDUCTOR	[M]
L997	J0JBC0000014	CHIP COIL	[M]
L998	J0JBC0000014	CHIP COIL	[M]
L999	J0JBC0000014	CHIP COIL	[M]
L6101	G0C7R0K00003	TROIDAL COIL	[M]
L6102	G0C7R0K00003	TROIDAL COIL	[M]
L6103	G0C50NZ00001	4T COIL	[M]
L6104	G0C50NZ00001	4T COIL	[M]
L6151	G0C7R0K00003	TROIDAL COIL	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
L6152	G0C7R0K00003	TROIDAL COIL	[M]
L6153	G0C50NZ00001	4T COIL	[M]
L6154	G0C50NZ00001	4T COIL	[M]
L6201	G0C7R0K00003	TROIDAL COIL	[M]
L6202	G0C7R0K00003	TROIDAL COIL	[M]
L6203	G0C50NZ00001	4T COIL	[M]
L6204	G0C50NZ00001	4T COIL	[M]
L6251	G0C7R0K00003	TROIDAL COIL	[M]
L6252	G0C7R0K00003	TROIDAL COIL	[M]
L6253	G0C50NZ00001	4T COIL	[M]
L6254	G0C50NZ00001	4T COIL	[M]
L6301	G0C7R0K00003	TROIDAL COIL	[M]
L6302	G0C7R0K00003	TROIDAL COIL	[M]
L6303	G0C50NZ00001	4T COIL	[M]
L6304	G0C50NZ00001	4T COIL	[M]
L6351	G0C7R0K00003	TROIDAL COIL	[M]
L6352	G0C7R0K00003	TROIDAL COIL	[M]
L6353	G0C50NZ00001	4T COIL	[M]
L6354	G0C50NZ00001	4T COIL	[M]
L6451	G0C7R0K00003	TROIDAL COIL	[M]
L6452	G0C7R0K00003	TROIDAL COIL	[M]
L6453	G0C50NZ00001	4T COIL	[M]
L6454	G0C50NZ00001	4T COIL	[M]
L6801	G1C4R7MA0098	CHIP COIL	[M]
L6901	G1C4R7MA0098	CHIP COIL	[M]
T701	ETS48AA146AD	POWER TRANSFORMER	[M] ⚠
T721	ETS19AB1X6AG	POWER TRANSFORMER	[M] ⚠
T731	ETS28AU2V9AC	SUB TRANSFORMER	[M] ⚠
HS701	RMY0316	POWER HEAT SINK	[M]
HS702	RXX0266-1	HEAT SINK UNIT	[M]
IR901	B3RAB0000041	REMOTE SENSOR	[M]
ZA701	EYF52BCY	FUSE CLIP	[M]
ZA702	EYF52BCY	FUSE CLIP	[M]
ZJ701	K9ZZ00001279	EARTH PLATE	[M]
ZJ901	REX1161-1	WIRE	[M]
ZJ992	REX1161-1	WIRE	[M]
ZJ999	REX1199	WIRE	[M]
PC701	B3QAZ0000062	IC PHOTO COUPLER	[M] ⚠
PC721	B3QAZ0000062	IC PHOTO COUPLER	[M] ⚠
		RELAY	
RY601	K6B2AGA00011	SPKR RELAY	[M]
RY602	K6B2AGA00011	SPKR RELAY	[M]
RY603	K6B2CGA00086	SPKR RELAY	[M]
RY604	K6B2CGA00086	SPKR RELAY	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
RY605	K6B2CGA00086	SPKR RELAY	[M]
RY606	K6B2CGA00086	SPKR RELAY	[M]
RY721	K6B1AEA00003	POWER RELAY	[M] ⚠
		OSCILLATORS	
X201	H0H433400002	CRYSTAL OSCILLATOR	[M]
X1001	H0J245500068	CRYSTAL OSCILLATOR	[M]
X1002	H0J240500023	CRYSTAL OSCILLATOR	[M]
X6801	H2D100500004	CHIP RESONATOR	[M]
X6901	H2D100500004	CHIP RESONATOR	[M]
		DISPLAY TUBE	
FL901	A2BB00000139	FL DISPLAY	[M]
		FUSE	
F1	K5D402BLA013	FUSE	[M] ⚠
		FUSE PROTECTOR	
FP701	K5G102AA0002	FUSE PROTECTOR	[M] ⚠
		THERMISTORS	
TH701	D4CAC8R00002	POWER THERMISTOR	[M]
TH702	D4CA33030001	THERMISTOR	[M]
TH6101	D4CA33030001	THERMISTOR	[M]
		JACKS	
JK301	K2HA306B0084	JK 3P RCA (VIDEO)	[M]
JK302	K2HA306B0084	JK 3P RCA (VIDEO)	[M]
JK303	K2HZ212B0002	JK S-VIDEO	[M]
JK304	K2HZ212B0002	JK S-VIDEO	[M]
JK305	K2HA306B0085	JK COMPONENT VIDEO	[M]
JK306	K2HA306B0085	JK COMPONENT VIDEO	[M]
JK307	K2HA306B0085	JK COMPONENT VIDEO	[M]
JK308	K2HA306B0085	JK COMPONENT VIDEO	[M]
JK401	K4BK04H00008	JK 4P RCA	[M]
JK402	K2HA406B0025	JK 4P RCA (AUDIO)	[M]
JK403	K4BK04H00008	JK 4P RCA (AUDIO)	[M]
JK404	K4BK04H00008	JK 4P RCA (AUDIO)	[M]
JK405	K4BK04H00008	JK 4P RCA (AUDIO)	[M]
JK407	K2HA102B0086	JK 1P RCA	[M]
JK409	B3RAB0000044	JK OPTICAL RECEIVER	[M]
JK410	B3RAB0000044	JK OPTICAL RECEIVER	[M]
JK412	K2HA204B0146	JK 2P RCA	[M]
JK601	RXQ1297	JK SPEAKER	[M]
JK602	RXQ1296	JK SPEAKER	[M]
JK603	RXQ1324	JK SPEAKER	[M]
JK901	K4BK03K00002	JK FRONT VCR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
JK903	K2HB103J0069	JK HEADPHONES	[M]
P701	K2AA2B000009	JK AC INLET	[M] ⚠
		CHIP JUMPERS	
W151	ERJ3GEY0R00V	CHIP JUMPER	[M]
W152	ERJ3GEY0R00V	CHIP JUMPER	[M]
W153	ERJ3GEY0R00V	CHIP JUMPER	[M]
W154	ERJ3GEY0R00V	CHIP JUMPER	[M]
W155	ERJ3GEY0R00V	CHIP JUMPER	[M]
W156	ERJ3GEY0R00V	CHIP JUMPER	[M]
W157	ERJ3GEY0R00V	CHIP JUMPER	[M]
W158	ERJ3GEY0R00V	CHIP JUMPER	[M]
W360	ERJ3GEY0R00V	CHIP JUMPER	[M]
W361	ERJ6GEY0R00V	CHIP JUMPER	[M]
W362	ERJ6GEY0R00V	CHIP JUMPER	[M]
W365	ERJ3GEY0R00V	CHIP JUMPER	[M]
W366	ERJ6GEY0R00V	CHIP JUMPER	[M]
W368	ERJ3GEY0R00V	CHIP JUMPER	[M]
W369	ERJ3GEY0R00V	CHIP JUMPER	[M]
W370	ERJ6GEY0R00V	CHIP JUMPER	[M]
W371	ERJ3GEY0R00V	CHIP JUMPER	[M]
W372	ERJ6GEY0R00V	CHIP JUMPER	[M]
		WIRES	
JW101A	RWJ1811120SS	11P WIRE (JW101B)	[M]
JW301	RWJ1806130SQ	6P WIRE	[M]
JW304B	RWJ1809120SS	9P WIRE (P304A)	[M]
JW401	RWJ1807090SQ	7P (POWER-O/I PCB)	[M]
JW601	RWJ1804210SQ	4P WIRE	[M]
JW602	RWJ1808280SQ	8P (POWER-MAIN PCB)	[M]
JW603	RWJ1804370SQ	4P WIRE	[M]
JW606	RWJ1810120SQ	10P (POWER-MAIN PCB)	[M]
JW621B	RWJ1808135SQ	8P WIRE	[M]
JW622B	RWJ1808090SQ	8P WIRE	[M]
JW901A	RWJ1803150SS	3P WIRE (JW901B)	[M]
JW902A	RWJ1805140SS	5P WIRE (JW902B)	[M]
JW903	RWJ1805160SQ	5P WIRE (PANEL-PWR PCB)	[M]
JW904	REX1206	SHIELD WIRE	[M]
JW1001	REX1193	SHIELD WIRE	[M]
JW1004	REX1192	SHIELD WIRE	[M]
		RESISTORS	
R101	D0GB473JA041	47K 1/16W	[M]
R102	D0GB473JA041	47K 1/16W	[M]
R103	D0GB222JA041	2.2K 1/16W	[M]
R104	D0GB392JA007	3.9K 1/16W	[M]
R105	D0GB392JA007	3.9K 1/16W	[M]
R106	D0GB332JA007	3.3K 1/16W	[M]
R107	ERDS1FVJ560T	56 1/2W	[M]
R108	ERDS1FVJ560T	56 1/2W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R201	D0GB104JA007	100K 1/16W	[M]
R202	D0GB104JA007	100K 1/16W	[M]
R203	ERJ3GEYJ102V	1K 1/16W	[M]
R204	ERJ3GEYJ102V	1K 1/16W	[M]
R205	ERJ3GEYJ102V	1K 1/16W	[M]
R206	ERJ3GEYJ102V	1K 1/16W	[M]
R301	ERJ3GEYJ750V	75 1/16W	[M]
R302	ERJ3GEYJ750V	75 1/16W	[M]
R303	ERJ3GEYJ750V	75 1/16W	[M]
R304	ERJ3GEYJ750V	75 1/16W	[M]
R305	ERJ3GEYJ103V	10K 1/16W	[M]
R306	D0GB104JA007	100K 1/16W	[M]
R307	ERJ3GEYJ750V	75 1/16W	[M]
R308	ERJ3GEYJ750V	75 1/16W	[M]
R309	ERJ3GEYJ103V	10K 1/16W	[M]
R310	D0GB104JA007	100K 1/16W	[M]
R311	ERJ3GEYJ750V	75 1/16W	[M]
R313	ERJ3GEYJ103V	10K 1/16W	[M]
R315	ERJ3GEYJ750V	75 1/16W	[M]
R316	ERJ3GEYJ750V	75 1/16W	[M]
R317	ERJ3GEYJ103V	10K 1/16W	[M]
R318	D0GB104JA007	100K 1/16W	[M]
R319	ERJ3GEYJ750V	75 1/16W	[M]
R320	ERJ3GEYJ750V	75 1/16W	[M]
R321	ERJ3GEYJ750V	75 1/16W	[M]
R322	ERJ3GEYJ750V	75 1/16W	[M]
R323	ERJ3GEYJ102V	1K 1/16W	[M]
R324	ERJ3GEYJ102V	1K 1/16W	[M]
R325	ERJ3GEYJ102V	1K 1/16W	[M]
R327	ERJ3GEYJ750V	75 1/16W	[M]
R328	ERJ3GEYJ750V	75 1/16W	[M]
R329	ERJ3GEYJ103V	10K 1/16W	[M]
R330	ERJ3GEYJ750V	75 1/16W	[M]
R331	ERJ3GEYJ103V	10K 1/16W	[M]
R332	ERJ3GEYJ750V	75 1/16W	[M]
R333	ERJ3GEYJ103V	10K 1/16W	[M]
R334	ERJ3GEYJ750V	75 1/16W	[M]
R365	ERJ3GEYJ750V	75 1/16W	[M]
R385	ERJ3GEYJ750V	75 1/16W	[M]
R386	ERJ3GEYJ750V	75 1/16W	[M]
R387	ERJ3GEYJ750V	75 1/16W	[M]
R388	ERJ3GEYJ750V	75 1/16W	[M]
R389	ERJ3GEYJ750V	75 1/16W	[M]
R390	ERJ3GEYJ750V	75 1/16W	[M]
R391	ERJ3GEYJ750V	75 1/16W	[M]
R392	ERJ3GEYJ750V	75 1/16W	[M]
R393	ERJ3GEYJ750V	75 1/16W	[M]
R394	ERJ3GEYJ750V	75 1/16W	[M]
R395	ERJ3GEYJ750V	75 1/16W	[M]
R396	ERJ3GEYJ750V	75 1/16W	[M]
R397	ERJ3GEYJ102V	1K 1/16W	[M]
R398	ERJ3GEYJ102V	1K 1/16W	[M]
R399	ERJ3GEYJ102V	1K 1/16W	[M]
R401	ERJ3GEYJ102V	1K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R402	ERJ3GEYJ102V	1K 1/16W	[M]
R403	ERJ3GEYJ102V	1K 1/16W	[M]
R404	ERJ3GEYJ102V	1K 1/16W	[M]
R405	ERJ3GEYJ102V	1K 1/16W	[M]
R406	ERJ3GEYJ102V	1K 1/16W	[M]
R409	ERJ3GEYJ102V	1K 1/16W	[M]
R410	ERJ3GEYJ102V	1K 1/16W	[M]
R411	ERJ3GEYJ102V	1K 1/16W	[M]
R412	ERJ3GEYJ102V	1K 1/16W	[M]
R413	ERJ3GEYJ102V	1K 1/16W	[M]
R414	ERJ3GEYJ102V	1K 1/16W	[M]
R415	ERJ3GEYJ102V	1K 1/16W	[M]
R416	ERJ3GEYJ102V	1K 1/16W	[M]
R417	ERJ3GEYJ102V	1K 1/16W	[M]
R418	ERJ3GEYJ102V	1K 1/16W	[M]
R419	ERJ3GEYJ102V	1K 1/16W	[M]
R420	ERJ3GEYJ102V	1K 1/16W	[M]
R421	ERJ3GEYJ102V	1K 1/16W	[M]
R422	ERJ3GEYJ102V	1K 1/16W	[M]
R423	ERJ3GEYJ102V	1K 1/16W	[M]
R424	D0GB473JA041	47K 1/16W	[M]
R425	D0GB473JA041	47K 1/16W	[M]
R428	ERJ3GEYJ102V	1K 1/16W	[M]
R429	ERJ3GEYJ102V	1K 1/16W	[M]
R430	ERJ3GEYJ103V	10K 1/16W	[M]
R431	ERJ3GEYJ103V	10K 1/16W	[M]
R432	ERJ3GEYJ103V	10K 1/16W	[M]
R438	D0AF220JA039	22 1/4W	[M]
R439	D0AF220JA039	22 1/4W	[M]
R440	D0AF220JA039	22 1/4W	[M]
R441	ERDS1FVJ220T	22 1/2W	[M]
R442	ERDS1FVJ220T	22 1/2W	[M]
R443	D0GB182JA007	1.8K 1/16W	[M]
R444	D0GB182JA007	1.8K 1/16W	[M]
R491	D0GB470JA008	47 1/16W	[M]
R492	D0GB470JA008	47 1/16W	[M]
R494	ERJ3GEYJ103V	10K 1/16W	[M]
R495	ERJ3GEYJ103V	10K 1/16W	[M]
R496	ERJ3GEYJ100V	10 1/16W	[M]
R497	ERJ3GEYJ750V	75 1/16W	[M]
R498	ERJ3GEYJ100V	10 1/16W	[M]
R499	ERJ3GEYJ750V	75 1/16W	[M]
R501	ERJ3GEYJ102V	1K 1/16W	[M]
R502	ERJ3GEYJ102V	1K 1/16W	[M]
R503	D0GB104JA007	100K 1/16W	[M]
R504	D0GB104JA007	100K 1/16W	[M]
R506	D0GB473JA041	47K 1/16W	[M]
R507	D0GB473JA041	47K 1/16W	[M]
R508	D0GB332JA007	3.3K 1/16W	[M]
R509	D0GB332JA007	3.3K 1/16W	[M]
R510	D0GB182JA007	1.8K 1/16W	[M]
R511	D0GB182JA007	1.8K 1/16W	[M]
R512	ERJ3GEYJ822V	8.2K 1/16W	[M]
R513	ERJ3GEYJ822V	8.2K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R514	D0GB472JA041	4.7K 1/16W	[M]
R515	D0GB472JA041	4.7K 1/16W	[M]
R516	ERJ3GEYJ103V	10K 1/16W	[M]
R517	ERJ3GEYJ103V	10K 1/16W	[M]
R518	ERJ3GEYJ103V	10K 1/16W	[M]
R519	ERJ3GEYJ103V	10K 1/16W	[M]
R520	ERJ3GEYJ103V	10K 1/16W	[M]
R521	ERJ3GEYJ103V	10K 1/16W	[M]
R522	ERJ3GEYJ102V	1K 1/16W	[M]
R523	ERJ3GEYJ102V	1K 1/16W	[M]
R524	D0GB104JA007	100K 1/16W	[M]
R525	D0GB104JA007	100K 1/16W	[M]
R526	D0GB473JA041	47K 1/16W	[M]
R527	D0GB473JA041	47K 1/16W	[M]
R528	D0GB332JA007	3.3K 1/16W	[M]
R529	D0GB332JA007	3.3K 1/16W	[M]
R530	D0GB182JA007	1.8K 1/16W	[M]
R531	D0GB182JA007	1.8K 1/16W	[M]
R532	ERJ3GEYJ822V	8.2K 1/16W	[M]
R533	ERJ3GEYJ822V	8.2K 1/16W	[M]
R534	D0GB472JA041	4.7K 1/16W	[M]
R535	D0GB472JA041	4.7K 1/16W	[M]
R536	ERJ3GEYJ103V	10K 1/16W	[M]
R537	ERJ3GEYJ103V	10K 1/16W	[M]
R538	ERJ3GEYJ103V	10K 1/16W	[M]
R539	ERJ3GEYJ103V	10K 1/16W	[M]
R540	ERJ3GEYJ103V	10K 1/16W	[M]
R541	ERJ3GEYJ103V	10K 1/16W	[M]
R542	ERJ3GEYJ102V	1K 1/16W	[M]
R543	ERJ3GEYJ102V	1K 1/16W	[M]
R544	D0GB104JA007	100K 1/16W	[M]
R545	D0GB104JA007	100K 1/16W	[M]
R546	D0GB473JA041	47K 1/16W	[M]
R547	D0GB473JA041	47K 1/16W	[M]
R548	D0GB332JA007	3.3K 1/16W	[M]
R549	D0GB332JA007	3.3K 1/16W	[M]
R550	D0GB182JA007	1.8K 1/16W	[M]
R551	D0GB182JA007	1.8K 1/16W	[M]
R552	ERJ3GEYJ822V	8.2K 1/16W	[M]
R553	ERJ3GEYJ822V	8.2K 1/16W	[M]
R554	D0GB472JA041	4.7K 1/16W	[M]
R555	D0GB472JA041	4.7K 1/16W	[M]
R556	ERJ3GEYJ103V	10K 1/16W	[M]
R557	ERJ3GEYJ103V	10K 1/16W	[M]
R558	ERJ3GEYJ103V	10K 1/16W	[M]
R559	ERJ3GEYJ103V	10K 1/16W	[M]
R560	ERJ3GEYJ103V	10K 1/16W	[M]
R561	ERJ3GEYJ103V	10K 1/16W	[M]
R576	ERG3SJ470P	47 3W	[M]
R577	ERG3SJ470P	47 3W	[M]
R578	D0GB152JA007	1.5K 1/16W	[M]
R579	ERJ3GEYJ824V	820K 1/16W	[M]
R581	ERJ3GEYJ564V	560K 1/16W	[M]
R582	D0GB222JA041	2.2K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R583	D0GB104JA007	100K 1/16W	[M]
R599	D0GB4R7JA007	4.7 1/16W	[M]
R600	D0GB4R7JA007	4.7 1/16W	[M]
R601	ERJ3GEYJ102V	1K 1/16W	[M]
R602	ERJ3GEYJ102V	1K 1/16W	[M]
R603	ERJ3GEYJ102V	1K 1/16W	[M]
R604	ERJ3GEYJ103V	10K 1/16W	[M]
R605	ERJ3GEYJ103V	10K 1/16W	[M]
R702	ERG2SJ683P	68K 2W	[M]
R703	ERDS2TJ681T	680 1/4W	[M]
R704	ERX2LJ68MP	2W	[M]
R706	D0AE104JA048	100K 1/4W	[M]
R707	D0AE104JA048	100K 1/4W	[M]
R708	ERDS2TJ332T	3.3K 1/4W	[M]
R709	ERDS2TJ222T	2.2K 1/4W	[M]
R710	D0AE103JA048	10K 1/4W	[M]
R711	ERDS2TJ220T	22 1/4W	[M]
R712	D0AE272JA048	2.7K 1/4W	[M]
R713	ERD25FVJ151T	150 1/4W	[M]
R714	ER0S2THF4701	47 1/4W	[M]
R715	ER0S2THF1301	13 1/4W	[M]
R716	D0AE103JA048	10K 1/4W	[M]
R717	ERJ3EKF3902V	39 3W	[M]
R718	ERJ3EKF6802V	68 3W	[M]
R719	D0GB473JA041	47K 1/16W	[M]
R720	D0GB332JA007	3.3K 1/16W	[M]
R721	ERJ3EKF2550V	2.5M 3W	[M]
R722	ERJ3EKF2550V	2.5M 3W	[M]
R723	D0GB101JA007	100 1/16W	[M]
R724	D0GB101JA007	100 1/16W	[M]
R725	ERD25FVJ6R8T	6.8 1/4W	[M]
R726	ERDS2TJ332T	3.3K 1/4W	[M]
R727	ERDS2TJ102T	1K 1/4W	[M]
R729	D0AE223JA048	22K 1/4W	[M]
R730	D0GB472JA041	4.7K 1/16W	[M]
R731	ERDS1FVJ222T	2.2K 1/2W	[M]
R732	ERX2SJR22P	0.22 2W	[M]
R733	ERJ3EKF6801V	68 3W	[M]
R734	ERJ3EKF4701V	47 3W	[M]
R735	D0GB154JA007	150K 1/16W	[M]
R736	ERJ3GEYJ102V	1K 1/16W	[M]
R737	ERJ3GEYJ103V	10K 1/16W	[M]
R738	D0GB683JA007	68K 1/16W	[M]
R739	D0GB823JA007	82K 1/16W	[M]
R740	ERJ3GEYJ682V	6.8K 1/16W	[M]
R741	D0GB101JA007	100 1/16W	[M]
R742	D0GB183JA007	18K 1/16W	[M]
R743	D0AF220JA039	22 1/4W	[M]
R744	ERDS2TJ2R2T	2.2 1/4W	[M]
R745	D0GB223JA041	22K 1/16W	[M]
R746	D0GB683JA007	68K 1/16W	[M]
R747	D0GB124JA007	120K 1/16W	[M]
R748	D0GB223JA041	22K 1/16W	[M]
R749	D0GB222JA041	2.2K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R750	D0GB473JA041	47K 1/16W	[M]
R751	D0AE474JA048	470K 1/4W	[M]
R752	D0AE474JA048	470K 1/4W	[M]
R753	ERX2SJR22P	0.22 2W	[M]
R754	ERX2SJR22P	0.22 2W	[M]
R755	D0GB221JA041	220 1/16W	[M]
R756	D0GB392JA007	3.9K 1/16W	[M]
R757	D0GB472JA041	4.7K 1/16W	[M]
R761	D0GB333JA007	33K 1/16W	[M]
R762	D0GB152JA007	1.5K 1/16W	[M]
R763	D0GB152JA007	1.5K 1/16W	[M]
R764	ERJ3GEYJ682V	6.8K 1/16W	[M]
R771	ERDS2TJ220T	22 1/4W	[M]
R772	D0AE104JA048	100K 1/4W	[M]
R773	D0GB474JA041	470K 1/16W	[M]
R774	D0GB153JA007	15K 1/16W	[M]
R775	ERJ3GEYJ681V	680 1/16W	[M]
R776	D0GB471JA041	470 1/16W	[M]
R798	D0GB473JA041	47K 1/16W	[M]
R799	D0GB101JA007	100 1/16W	[M]
R800	D0GB101JA007	100 1/16W	[M]
R881	ERDS2TJ332T	3.3K 1/4W	[M]
R883	ERDS2TJ332T	3.3K 1/4W	[M]
R887	ERDS2TJ332T	3.3K 1/4W	[M]
R888	ERDS2TJ332T	3.3K 1/4W	[M]
R901	ERJ3GEYJ102V	1K 1/16W	[M]
R902	ERJ3GEYJ102V	1K 1/16W	[M]
R903	ERJ3GEYJ750V	75 1/16W	[M]
R904	D0GB104JA007	100K 1/16W	[M]
R907	D0GB100JA007	10 1/16W	[M]
R908	D0GB101JA007	100 1/16W	[M]
R909	D0GB104JA007	100K 1/16W	[M]
R910	D0GB104JA007	100K 1/16W	[M]
R911	D0GB104JA007	100K 1/16W	[M]
R912	ERJ3GEYJ102V	1K 1/16W	[M]
R913	ERJ3GEYJ103V	10K 1/16W	[M]
R914	ERJ3GEYJ102V	1K 1/16W	[M]
R915	ERJ3GEYJ102V	1K 1/16W	[M]
R916	ERJ3GEYJ102V	1K 1/16W	[M]
R917	D0GB182JA007	1.8K 1/16W	[M]
R921	D0GB271JA007	270 1/16W	[M]
R925	D0GB271JA007	270 1/16W	[M]
R931	ERJ3GEYJ102V	1K 1/16W	[M]
R932	ERJ3GEYJ122V	1.2K 1/16W	[M]
R933	D0GB152JA007	1.5K 1/16W	[M]
R936	ERJ3GEYJ102V	1K 1/16W	[M]
R937	ERJ3GEYJ122V	1.2K 1/16W	[M]
R938	D0GB152JA007	1.5K 1/16W	[M]
R939	D0GB182JA007	1.8K 1/16W	[M]
R940	ERJ6GEY0R00V	0 1/10W	[M]
R941	ERJ3GEYJ103V	10K 1/16W	[M]
R942	D0GB473JA041	47K 1/16W	[M]
R943	D0GB473JA041	47K 1/16W	[M]
R944	D0GB473JA041	47K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R945	ERJ3GEY0R00V	0 1/16W	[M]
R946	ERJ3GEY0R00V	0 1/16W	[M]
R947	ERJ3GEY0R00V	0 1/16W	[M]
R1001	ERJ3GEYJ681V	680 1/16W	[M]
R1002	ERJ3GEYJ103V	10K 1/16W	[M]
R1003	D0GB105JA007	1M 1/16W	[M]
R1004	D0GB105JA007	1M 1/16W	[M]
R1005	D0GB101JA007	100 1/16W	[M]
R1006	D0GB101JA007	100 1/16W	[M]
R1007	D0GB101JA007	100 1/16W	[M]
R1008	D0GB101JA007	100 1/16W	[M]
R1009	D0GB101JA007	100 1/16W	[M]
R1010	D0GB101JA007	100 1/16W	[M]
R1011	D0GB101JA007	100 1/16W	[M]
R1012	D0GB101JA007	100 1/16W	[M]
R1013	D0GB101JA007	100 1/16W	[M]
R1014	D0GB101JA007	100 1/16W	[M]
R1015	D0GB101JA007	100 1/16W	[M]
R1016	D0GB101JA007	100 1/16W	[M]
R1017	D0GB101JA007	100 1/16W	[M]
R1018	D0GB101JA007	100 1/16W	[M]
R1019	D0GB101JA007	100 1/16W	[M]
R1020	D0GB101JA007	100 1/16W	[M]
R1021	D0GB101JA007	100 1/16W	[M]
R1022	D0GB101JA007	100 1/16W	[M]
R1023	D0GB101JA007	100 1/16W	[M]
R1024	D0GB101JA007	100 1/16W	[M]
R1025	D0GB101JA007	100 1/16W	[M]
R1026	D0GB101JA007	100 1/16W	[M]
R1027	D0GB101JA007	100 1/16W	[M]
R1028	D0GB101JA007	100 1/16W	[M]
R1029	D0GB101JA007	100 1/16W	[M]
R1030	D0GB101JA007	100 1/16W	[M]
R1031	D0GB101JA007	100 1/16W	[M]
R1032	D0GB471JA041	470 1/16W	[M]
R1033	D0GB330JA007	33 1/16W	[M]
R1034	D0GB330JA007	33 1/16W	[M]
R1035	D0GB470JA008	47 1/16W	[M]
R1036	D0GB470JA008	47 1/16W	[M]
R1037	D0GB470JA008	47 1/16W	[M]
R1038	D0GB470JA008	47 1/16W	[M]
R1042	D0GB470JA008	47 1/16W	[M]
R1043	D0GB470JA008	47 1/16W	[M]
R1044	D0GB470JA008	47 1/16W	[M]
R1045	D0GB470JA008	47 1/16W	[M]
R1046	D0GB330JA007	33 1/16W	[M]
R1047	D0GB330JA007	33 1/16W	[M]
R1048	ERJ3GEYJ103V	10K 1/16W	[M]
R1049	D0GB183JA007	18K 1/16W	[M]
R1050	D0GB470JA008	47 1/16W	[M]
R1051	D0GB471JA041	470 1/16W	[M]
R1052	D0GB471JA041	470 1/16W	[M]
R1053	D0GB470JA008	47 1/16W	[M]
R1054	D0GB330JA007	33 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1055	D0GB330JA007	33 1/16W	[M]
R1056	D0GB330JA007	33 1/16W	[M]
R1057	D0GB330JA007	33 1/16W	[M]
R1058	ERJ3GEYJ103V	10K 1/16W	[M]
R1059	D0GB330JA007	33 1/16W	[M]
R1060	D0GB330JA007	33 1/16W	[M]
R1061	D0GB330JA007	33 1/16W	[M]
R1062	D0GB330JA007	33 1/16W	[M]
R1063	D0GB330JA007	33 1/16W	[M]
R1064	D0GB330JA007	33 1/16W	[M]
R1065	D0GB330JA007	33 1/16W	[M]
R1066	D0GB330JA007	33 1/16W	[M]
R1067	D0GB330JA007	33 1/16W	[M]
R1068	D0GB330JA007	33 1/16W	[M]
R1069	D0GB330JA007	33 1/16W	[M]
R1070	D0GB330JA007	33 1/16W	[M]
R1071	D0GB330JA007	33 1/16W	[M]
R1072	D0GB330JA007	33 1/16W	[M]
R1073	D0GB330JA007	33 1/16W	[M]
R1074	D0GB330JA007	33 1/16W	[M]
R1075	D0GB330JA007	33 1/16W	[M]
R1076	D0GB330JA007	33 1/16W	[M]
R1077	D0GB330JA007	33 1/16W	[M]
R1078	D0GB330JA007	33 1/16W	[M]
R1079	D0GB330JA007	33 1/16W	[M]
R1080	D0GB330JA007	33 1/16W	[M]
R1081	D0GB330JA007	33 1/16W	[M]
R1082	D0GB330JA007	33 1/16W	[M]
R1083	D0GB330JA007	33 1/16W	[M]
R1084	D0GB330JA007	33 1/16W	[M]
R1085	D0GB330JA007	33 1/16W	[M]
R1086	ERJ3GEYJ103V	10K 1/16W	[M]
R1087	D0GB100JA007	10 1/16W	[M]
R1088	D0GB100JA007	10 1/16W	[M]
R1089	D0GB100JA007	10 1/16W	[M]
R1090	D0GB100JA007	10 1/16W	[M]
R1091	D0GB100JA007	10 1/16W	[M]
R1092	D0GB100JA007	10 1/16W	[M]
R1093	D0GB100JA007	10 1/16W	[M]
R1094	D0GB101JA007	100 1/16W	[M]
R1095	ERJ3GEY0R00Z	0 1/16W	[M]
R1097	D0GB1R0JA007	1 1/16W	[M]
R1098	D0GB1R0JA007	1 1/16W	[M]
R6001	ERJ3GEYJ102V	1K 1/16W	[M]
R6002	ERJ3GEYJ102V	1K 1/16W	[M]
R6003	D0GB562JA007	5.6K 1/16W	[M]
R6004	D0GB562JA007	5.6K 1/16W	[M]
R6005	D0GB470JA008	47 1/16W	[M]
R6006	D0GB470JA008	47 1/16W	[M]
R6007	D0GB332JA007	3.3K 1/16W	[M]
R6008	D0GB332JA007	3.3K 1/16W	[M]
R6009	D0GB332JA007	3.3K 1/16W	[M]
R6010	D0GB332JA007	3.3K 1/16W	[M]
R6011	D0GB332JA007	3.3K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6012	D0GB332JA007	3.3K 1/16W	[M]
R6013	D0GB332JA007	3.3K 1/16W	[M]
R6014	D0GB332JA007	3.3K 1/16W	[M]
R6015	ERJ3GEYJ102V	1K 1/16W	[M]
R6016	ERJ3GEYJ102V	1K 1/16W	[M]
R6017	D0GB472JA041	4.7K 1/16W	[M]
R6018	D0GB472JA041	4.7K 1/16W	[M]
R6019	D0GB472JA041	4.7K 1/16W	[M]
R6020	D0GB472JA041	4.7K 1/16W	[M]
R6021	ERJ3GEYJ102V	1K 1/16W	[M]
R6022	ERJ3GEYJ102V	1K 1/16W	[M]
R6023	D0GB562JA007	5.6K 1/16W	[M]
R6024	D0GB562JA007	5.6K 1/16W	[M]
R6025	D0GB470JA008	47 1/16W	[M]
R6026	D0GB470JA008	47 1/16W	[M]
R6027	D0GB332JA007	3.3K 1/16W	[M]
R6028	D0GB332JA007	3.3K 1/16W	[M]
R6029	D0GB332JA007	3.3K 1/16W	[M]
R6030	D0GB332JA007	3.3K 1/16W	[M]
R6031	D0GB332JA007	3.3K 1/16W	[M]
R6032	D0GB332JA007	3.3K 1/16W	[M]
R6033	D0GB332JA007	3.3K 1/16W	[M]
R6034	D0GB332JA007	3.3K 1/16W	[M]
R6035	ERJ3GEYJ102V	1K 1/16W	[M]
R6036	ERJ3GEYJ102V	1K 1/16W	[M]
R6037	D0GB472JA041	4.7K 1/16W	[M]
R6038	D0GB472JA041	4.7K 1/16W	[M]
R6039	D0GB472JA041	4.7K 1/16W	[M]
R6040	D0GB472JA041	4.7K 1/16W	[M]
R6041	D0GB3R3JA007	3.3 1/16W	[M]
R6042	D0GB3R3JA007	3.3 1/16W	[M]
R6043	D0GB101JA007	100 1/16W	[M]
R6044	D0GB101JA007	100 1/16W	[M]
R6045	D0GB332JA007	3.3K 1/16W	[M]
R6046	D0GB332JA007	3.3K 1/16W	[M]
R6047	D0GB332JA007	3.3K 1/16W	[M]
R6048	D0GB332JA007	3.3K 1/16W	[M]
R6049	D0GB332JA007	3.3K 1/16W	[M]
R6050	D0GB332JA007	3.3K 1/16W	[M]
R6051	D0GB104JA007	100K 1/16W	[M]
R6052	D0GB104JA007	100K 1/16W	[M]
R6053	D0GB104JA007	100K 1/16W	[M]
R6054	D0GB104JA007	100K 1/16W	[M]
R6055	D0GB332JA007	3.3K 1/16W	[M]
R6056	D0GB332JA007	3.3K 1/16W	[M]
R6057	ERJ3GEYJ102V	1K 1/16W	[M]
R6058	ERJ3GEYJ102V	1K 1/16W	[M]
R6059	D0GB473JA041	47K 1/16W	[M]
R6060	D0GB473JA041	47K 1/16W	[M]
R6061	D0GB151JA007	150 1/16W	[M]
R6062	D0GB151JA007	150 1/16W	[M]
R6063	D0GB151JA007	150 1/16W	[M]
R6064	D0GB151JA007	150 1/16W	[M]
R6065	D0GB151JA007	150 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6066	D0GB151JA007	150 1/16W	[M]
R6067	D0GB151JA007	150 1/16W	[M]
R6068	D0GB151JA007	150 1/16W	[M]
R6069	D0GB151JA007	150 1/16W	[M]
R6070	D0GB151JA007	150 1/16W	[M]
R6071	D0GB151JA007	150 1/16W	[M]
R6072	D0GB151JA007	150 1/16W	[M]
R6073	ERJ3GEYJ102V	1K 1/16W	[M]
R6074	ERJ3GEYJ102V	1K 1/16W	[M]
R6075	ERJ3GEYJ102V	1K 1/16W	[M]
R6076	ERJ3GEYJ102V	1K 1/16W	[M]
R6077	ERJ3GEYJ103V	10K 1/16W	[M]
R6078	D0GB104JA007	100K 1/16W	[M]
R6079	ERJ3GEYJ103V	10K 1/16W	[M]
R6080	D0GB473JA041	47K 1/16W	[M]
R6081	D0GB562JA007	5.6K 1/16W	[M]
R6082	D0GB562JA007	5.6K 1/16W	[M]
R6083	D0GB223JA041	22K 1/16W	[M]
R6084	D0GB223JA041	22K 1/16W	[M]
R6085	D0GB223JA041	22K 1/16W	[M]
R6086	D0GB223JA041	22K 1/16W	[M]
R6087	D0GB101JA007	100 1/16W	[M]
R6088	D0GB104JA007	100K 1/16W	[M]
R6089	D0GB3R3JA007	3.3 1/16W	[M]
R6090	D0GB104JA007	100K 1/16W	[M]
R6091	ERJ3GEYJ103V	10K 1/16W	[M]
R6092	ERJ3GEYJ103V	10K 1/16W	[M]
R6093	ERJ3GEYJ103V	10K 1/16W	[M]
R6094	ERJ3GEYJ223V	22K 1/16W	[M]
R6095	D0GB473JA041	47K 1/16W	[M]
R6096	ERJ3GEYJ102V	1K 1/16W	[M]
R6097	ERJ3GEYJ102V	1K 1/16W	[M]
R6098	ERJ3GEYJ102V	1K 1/16W	[M]
R6099	ERJ3GEYJ102V	1K 1/16W	[M]
R6101	D0GB1R0JA007	1 1/16W	[M]
R6102	D0GB1R0JA007	1 1/16W	[M]
R6103	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6104	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6105	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6106	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6107	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6108	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6109	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6110	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6112	ERJ14YJ472U	4.7K 1/4W	[M]
R6114	ERJ14YJ472U	4.7K 1/4W	[M]
R6115	D0GB4R7JA007	4.7 1/16W	[M]
R6116	D0GB4R7JA007	4.7 1/16W	[M]
R6117	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6118	D0GB1R0JA007	1 1/16W	[M]
R6119	ERJ3GEY0R00V	0 1/16W	[M]
R6121	D0GB224JA007	220K 1/16W	[M]
R6122	D0GB224JA007	220K 1/16W	[M]
R6123	D0GB223JA041	22K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6124	ERJ3GEYJ103V	10K 1/16W	[M]
R6125	ERJ3GEYJ103V	10K 1/16W	[M]
R6127	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6129	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6131	D0GB3R3JA007	3.3 1/16W	[M]
R6132	D0GB3R3JA007	3.3 1/16W	[M]
R6133	D0GB473JA041	47K 1/16W	[M]
R6134	D0GB223JA041	22K 1/16W	[M]
R6135	D0GB473JA041	47K 1/16W	[M]
R6136	D0GB223JA041	22K 1/16W	[M]
R6141	ERJ3GEYJ682V	6.8K 1/16W	[M]
R6142	ERJ3GEYJ3R3V	3.3 1/16W	[M]
R6151	D0GB1R0JA007	1 1/16W	[M]
R6152	D0GB1R0JA007	1 1/16W	[M]
R6153	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6154	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6155	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6156	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6157	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6158	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6159	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6160	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6162	ERJ14YJ472U	4.7K 1/4W	[M]
R6164	ERJ14YJ472U	4.7K 1/4W	[M]
R6165	D0GB4R7JA007	4.7 1/16W	[M]
R6166	D0GB4R7JA007	4.7 1/16W	[M]
R6167	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6168	D0GB1R0JA007	1 1/16W	[M]
R6171	D0GB224JA007	220K 1/16W	[M]
R6172	D0GB224JA007	220K 1/16W	[M]
R6173	D0GB223JA041	22K 1/16W	[M]
R6174	ERJ3GEYJ103V	10K 1/16W	[M]
R6175	ERJ3GEYJ103V	10K 1/16W	[M]
R6177	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6179	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6200	ERJ3GEY0R00V	0 1/16W	[M]
R6201	D0GB1R0JA007	1 1/16W	[M]
R6202	D0GB1R0JA007	1 1/16W	[M]
R6203	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6204	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6205	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6206	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6207	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6208	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6209	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6210	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6212	ERJ14YJ472U	4.7K 1/4W	[M]
R6214	ERJ14YJ472U	4.7K 1/4W	[M]
R6215	D0GB4R7JA007	4.7 1/16W	[M]
R6216	D0GB4R7JA007	4.7 1/16W	[M]
R6217	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6218	D0GB1R0JA007	1 1/16W	[M]
R6219	ERJ3GEY0R00V	0 1/16W	[M]
R6221	D0GB224JA007	220K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6222	D0GB224JA007	220K 1/16W	[M]
R6223	D0GB223JA041	22K 1/16W	[M]
R6224	ERJ3GEYJ103V	10K 1/16W	[M]
R6225	ERJ3GEYJ103V	10K 1/16W	[M]
R6227	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6229	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6231	D0GB3R3JA007	3.3 1/16W	[M]
R6232	D0GB3R3JA007	3.3 1/16W	[M]
R6233	D0GB473JA041	47K 1/16W	[M]
R6234	D0GB223JA041	22K 1/16W	[M]
R6235	D0GB473JA041	47K 1/16W	[M]
R6236	D0GB223JA041	22K 1/16W	[M]
R6241	D0GB562JA008	5.6K 1/16W	[M]
R6242	D0GB3R3JA007	3.3 1/16W	[M]
R6251	D0GB1R0JA007	1 1/16W	[M]
R6252	D0GB1R0JA007	1 1/16W	[M]
R6253	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6254	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6255	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6256	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6257	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6258	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6259	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6260	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6262	ERJ14YJ472U	4.7K 1/4W	[M]
R6264	ERJ14YJ472U	4.7K 1/4W	[M]
R6265	D0GB4R7JA007	4.7 1/16W	[M]
R6266	D0GB4R7JA007	4.7 1/16W	[M]
R6267	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6268	D0GB1R0JA007	1 1/16W	[M]
R6271	D0GB224JA007	220K 1/16W	[M]
R6272	D0GB224JA007	220K 1/16W	[M]
R6273	D0GB223JA041	22K 1/16W	[M]
R6274	ERJ3GEYJ103V	10K 1/16W	[M]
R6275	ERJ3GEYJ103V	10K 1/16W	[M]
R6277	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6279	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6301	D0GB1R0JA007	1 1/16W	[M]
R6302	D0GB1R0JA007	1 1/16W	[M]
R6303	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6304	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6305	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6306	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6307	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6308	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6309	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6310	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6312	ERJ14YJ472U	4.7K 1/4W	[M]
R6314	ERJ14YJ472U	4.7K 1/4W	[M]
R6315	D0GB4R7JA007	4.7 1/16W	[M]
R6316	D0GB4R7JA007	4.7 1/16W	[M]
R6317	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6318	D0GB1R0JA007	1 1/16W	[M]
R6319	ERJ3GEY0R00V	0 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6321	D0GB224JA007	220K 1/16W	[M]
R6322	D0GB224JA007	220K 1/16W	[M]
R6323	D0GB223JA041	22K 1/16W	[M]
R6324	ERJ3GEYJ103V	10K 1/16W	[M]
R6325	ERJ3GEYJ103V	10K 1/16W	[M]
R6327	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6329	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6331	D0GB3R3JA007	3.3 1/16W	[M]
R6332	D0GB3R3JA007	3.3 1/16W	[M]
R6333	D0GB473JA041	47K 1/16W	[M]
R6334	D0GB223JA041	22K 1/16W	[M]
R6335	D0GB473JA041	47K 1/16W	[M]
R6336	D0GB223JA041	22K 1/16W	[M]
R6341	ERJ3GEYJ103V	10K 1/16W	[M]
R6351	D0GB1R0JA007	1 1/16W	[M]
R6352	D0GB1R0JA007	1 1/16W	[M]
R6353	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6354	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6355	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6356	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6357	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6358	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6359	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6360	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6362	ERJ14YJ472U	4.7K 1/4W	[M]
R6364	ERJ14YJ472U	4.7K 1/4W	[M]
R6365	D0GB4R7JA007	4.7 1/16W	[M]
R6366	D0GB4R7JA007	4.7 1/16W	[M]
R6367	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6368	D0GB1R0JA007	1 1/16W	[M]
R6371	D0GB224JA007	220K 1/16W	[M]
R6372	D0GB224JA007	220K 1/16W	[M]
R6373	D0GB223JA041	22K 1/16W	[M]
R6374	ERJ3GEYJ103V	10K 1/16W	[M]
R6375	ERJ3GEYJ103V	10K 1/16W	[M]
R6377	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6379	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6401	D0GB1R0JA007	1 1/16W	[M]
R6402	D0GB1R0JA007	1 1/16W	[M]
R6403	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6404	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6418	D0GB1R0JA007	1 1/16W	[M]
R6419	ERJ3GEY0R00V	0 1/16W	[M]
R6431	D0GB3R3JA007	3.3 1/16W	[M]
R6432	D0GB3R3JA007	3.3 1/16W	[M]
R6433	D0GB473JA041	47K 1/16W	[M]
R6434	D0GB223JA041	22K 1/16W	[M]
R6435	D0GB473JA041	47K 1/16W	[M]
R6436	D0GB223JA041	22K 1/16W	[M]
R6441	ERJ3GEYJ103V	10K 1/16W	[M]
R6445	ERJ3GEY0R00V	0 1/16W	[M]
R6446	ERJ3GEY0R00V	0 1/16W	[M]
R6447	ERJ3GEY0R00V	0 1/16W	[M]
R6448	ERJ3GEY0R00V	0 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6451	D0GB1R0JA007	1 1/16W	[M]
R6452	D0GB1R0JA007	1 1/16W	[M]
R6453	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6454	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6455	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6456	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6457	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6458	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6459	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6460	ERJ8GEYJ2R7V	2.7 1/8W	[M]
R6462	ERJ14YJ472U	4.7K 1/4W	[M]
R6464	ERJ14YJ472U	4.7K 1/4W	[M]
R6465	D0GB4R7JA007	4.7 1/16W	[M]
R6466	D0GB4R7JA007	4.7 1/16W	[M]
R6467	ERJ6GEYJ3R3V	3.3 1/10W	[M]
R6468	D0GB1R0JA007	1 1/16W	[M]
R6471	D0GB224JA007	220K 1/16W	[M]
R6472	D0GB224JA007	220K 1/16W	[M]
R6473	D0GB223JA041	22K 1/16W	[M]
R6474	ERJ3GEYJ103V	10K 1/16W	[M]
R6475	ERJ3GEYJ103V	10K 1/16W	[M]
R6477	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6479	ERJ6GEYJ5R6V	5.6 1/10W	[M]
R6500	ERJ3GEY0R00V	0 1/16W	[M]
R6603	D0GB101JA007	100 1/16W	[M]
R6605	D0GB221JA041	220 1/16W	[M]
R6609	ERJ3GEYJ103V	10K 1/16W	[M]
R6611	ERJ3GEYJ103V	10K 1/16W	[M]
R6612	D0GB101JA007	100 1/16W	[M]
R6613	D0GB101JA007	100 1/16W	[M]
R6614	D0GB101JA007	100 1/16W	[M]
R6616	D0GB101JA007	100 1/16W	[M]
R6617	D0GB101JA007	100 1/16W	[M]
R6622	D0GB332JA007	3.3K 1/16W	[M]
R6623	D0GB332JA007	3.3K 1/16W	[M]
R6626	D0GB101JA007	100 1/16W	[M]
R6627	D0GB101JA007	100 1/16W	[M]
R6628	D0GB101JA007	100 1/16W	[M]
R6630	D0GB101JA007	100 1/16W	[M]
R6631	D0GB101JA007	100 1/16W	[M]
R6633	D0GB3R3JA007	3.3 1/16W	[M]
R6641	D0GB101JA007	100 1/16W	[M]
R6642	D0GB101JA007	100 1/16W	[M]
R6643	D0GB101JA007	100 1/16W	[M]
R6644	D0GB101JA007	100 1/16W	[M]
R6645	D0GB101JA007	100 1/16W	[M]
R6646	D0GB101JA007	100 1/16W	[M]
R6647	D0GB101JA007	100 1/16W	[M]
R6648	D0GB101JA007	100 1/16W	[M]
R6649	D0GB101JA007	100 1/16W	[M]
R6650	D0GB101JA007	100 1/16W	[M]
R6651	D0GB101JA007	100 1/16W	[M]
R6652	D0GB101JA007	100 1/16W	[M]
R6653	D0GB101JA007	100 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6654	D0GB101JA007	100 1/16W	[M]
R6655	D0GB101JA007	100 1/16W	[M]
R6657	D0GB220JA007	22 1/16W	[M]
R6659	D0GB220JA007	22 1/16W	[M]
R6661	D0GB101JA007	100 1/16W	[M]
R6662	D0GB101JA007	100 1/16W	[M]
R6663	D0GB101JA007	100 1/16W	[M]
R6664	D0GB101JA007	100 1/16W	[M]
R6665	D0GB101JA007	100 1/16W	[M]
R6666	D0GB101JA007	100 1/16W	[M]
R6667	D0GB101JA007	100 1/16W	[M]
R6668	D0GB101JA007	100 1/16W	[M]
R6669	D0GB101JA007	100 1/16W	[M]
R6670	D0GB101JA007	100 1/16W	[M]
R6671	D0GB101JA007	100 1/16W	[M]
R6672	D0GB101JA007	100 1/16W	[M]
R6673	D0GB101JA007	100 1/16W	[M]
R6674	D0GB101JA007	100 1/16W	[M]
R6675	D0GB101JA007	100 1/16W	[M]
R6679	D0GB1R0JA007	1 1/16W	[M]
R6680	D0GB4R7JA007	4.7 1/16W	[M]
R6681	D0GB101JA007	100 1/16W	[M]
R6682	D0GB101JA007	100 1/16W	[M]
R6683	ERJ3GEYJ103V	10K 1/16W	[M]
R6684	ERJ3GEYJ103V	10K 1/16W	[M]
R6685	D0GB221JA007	220 1/16W	[M]
R6686	D0GB124JA007	120K 1/16W	[M]
R6687	ERJ3GEYJ103V	10K 1/16W	[M]
R6703	D0GB101JA007	100 1/16W	[M]
R6705	D0GB221JA041	220 1/16W	[M]
R6712	D0GB101JA007	100 1/16W	[M]
R6713	D0GB101JA007	100 1/16W	[M]
R6714	D0GB101JA007	100 1/16W	[M]
R6716	D0GB101JA007	100 1/16W	[M]
R6717	D0GB101JA007	100 1/16W	[M]
R6722	ERJ3GEYJ103V	10K 1/16W	[M]
R6726	D0GB101JA007	100 1/16W	[M]
R6727	D0GB101JA007	100 1/16W	[M]
R6728	D0GB101JA007	100 1/16W	[M]
R6730	D0GB101JA007	100 1/16W	[M]
R6731	D0GB101JA007	100 1/16W	[M]
R6733	D0GB3R3JA007	3.3 1/16W	[M]
R6741	D0GB101JA007	100 1/16W	[M]
R6743	D0GB101JA007	100 1/16W	[M]
R6745	D0GB101JA007	100 1/16W	[M]
R6746	D0GB101JA007	100 1/16W	[M]
R6748	D0GB101JA007	100 1/16W	[M]
R6750	D0GB101JA007	100 1/16W	[M]
R6751	D0GB101JA007	100 1/16W	[M]
R6753	D0GB101JA007	100 1/16W	[M]
R6755	D0GB101JA007	100 1/16W	[M]
R6757	D0GB220JA007	22 1/16W	[M]
R6759	D0GB220JA007	22 1/16W	[M]
R6761	D0GB101JA007	100 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6762	D0GB101JA007	100 1/16W	[M]
R6763	D0GB101JA007	100 1/16W	[M]
R6764	D0GB101JA007	100 1/16W	[M]
R6765	D0GB101JA007	100 1/16W	[M]
R6771	D0GB101JA007	100 1/16W	[M]
R6772	D0GB101JA007	100 1/16W	[M]
R6773	D0GB101JA007	100 1/16W	[M]
R6774	D0GB101JA007	100 1/16W	[M]
R6775	D0GB101JA007	100 1/16W	[M]
R6779	D0GB1R0JA007	1 1/16W	[M]
R6780	D0GB4R7JA007	4.7 1/16W	[M]
R6781	D0GB470JA008	47 1/16W	[M]
R6782	D0GB470JA008	47 1/16W	[M]
R6783	ERJ3GEYJ102V	1K 1/16W	[M]
R6784	ERJ3GEYJ102V	1K 1/16W	[M]
R6792	D0GB470JA008	47 1/16W	[M]
R6793	D0GB470JA008	47 1/16W	[M]
R6794	D0GB221JA007	220 1/16W	[M]
R6795	D0GB470JA008	47 1/16W	[M]
R6796	D0GB470JA008	47 1/16W	[M]
R6797	D0GB470JA008	47 1/16W	[M]
R6798	D0GB470JA008	47 1/16W	[M]
R6802	D0GB101JA007	100 1/16W	[M]
R6803	D0GB101JA007	100 1/16W	[M]
R6804	D0GB101JA007	100 1/16W	[M]
R6805	ERJ3GEYJ102V	1K 1/16W	[M]
R6806	D0GB101JA007	100 1/16W	[M]
R6807	D0GB101JA007	100 1/16W	[M]
R6808	D0GB101JA007	100 1/16W	[M]
R6809	D0GB101JA007	100 1/16W	[M]
R6810	D0GB101JA007	100 1/16W	[M]
R6811	D0GB101JA007	100 1/16W	[M]
R6812	D0GB101JA007	100 1/16W	[M]
R6813	D0GB101JA007	100 1/16W	[M]
R6814	D0GB101JA007	100 1/16W	[M]
R6815	D0GB101JA007	100 1/16W	[M]
R6816	D0GB101JA007	100 1/16W	[M]
R6817	D0GB101JA007	100 1/16W	[M]
R6818	ERJ3GEYJ103V	10K 1/16W	[M]
R6820	D0GB472JA041	4.7K 1/16W	[M]
R6821	D0GB101JA007	100 1/16W	[M]
R6822	ERJ3GEYJ103V	10K 1/16W	[M]
R6823	D0GB331JA007	330 1/16W	[M]
R6824	D0GB473JA041	47K 1/16W	[M]
R6825	D0GB101JA007	100 1/16W	[M]
R6826	D0GB101JA007	100 1/16W	[M]
R6827	D0GB101JA007	100 1/16W	[M]
R6828	D0GB101JA007	100 1/16W	[M]
R6829	D0GB101JA007	100 1/16W	[M]
R6830	D0GB101JA007	100 1/16W	[M]
R6831	D0GB101JA007	100 1/16W	[M]
R6832	D0GB101JA007	100 1/16W	[M]
R6833	D0GB101JA007	100 1/16W	[M]
R6834	D0GB101JA007	100 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6835	D0GB101JA007	100 1/16W	[M]
R6836	D0GB101JA007	100 1/16W	[M]
R6837	D0GB101JA007	100 1/16W	[M]
R6838	D0GB101JA007	100 1/16W	[M]
R6839	D0GB101JA007	100 1/16W	[M]
R6840	D0GB101JA007	100 1/16W	[M]
R6841	D0GB333JA007	33K 1/16W	[M]
R6843	D0GB101JA007	100 1/16W	[M]
R6844	D0GB101JA007	100 1/16W	[M]
R6845	D0GB101JA007	100 1/16W	[M]
R6846	D0GB101JA007	100 1/16W	[M]
R6847	D0GB101JA007	100 1/16W	[M]
R6848	D0GB101JA007	100 1/16W	[M]
R6849	D0GB101JA007	100 1/16W	[M]
R6850	D0GB101JA007	100 1/16W	[M]
R6851	D0GB101JA007	100 1/16W	[M]
R6852	D0GB101JA007	100 1/16W	[M]
R6853	D0GB101JA007	100 1/16W	[M]
R6854	D0GB101JA007	100 1/16W	[M]
R6855	D0GB101JA007	100 1/16W	[M]
R6856	D0GB101JA007	100 1/16W	[M]
R6857	ERJ14YJ472U	4.7K 1/4W	[M]
R6858	ERJ14YJ472U	4.7K 1/4W	[M]
R6859	ERJ3GEYJ681V	680 1/16W	[M]
R6860	D0GB101JA007	100 1/16W	[M]
R6861	D0GB101JA007	100 1/16W	[M]
R6862	D0GB101JA007	100 1/16W	[M]
R6863	D0GB101JA007	100 1/16W	[M]
R6864	D0GB101JA007	100 1/16W	[M]
R6865	ERJ3GEYJ103V	10K 1/16W	[M]
R6866	ERJ3GEYJ103V	10K 1/16W	[M]
R6867	ERJ3GEYJ103V	10K 1/16W	[M]
R6868	ERJ3GEYJ103V	10K 1/16W	[M]
R6869	ERJ3GEYJ103V	10K 1/16W	[M]
R6870	D0GB104JA007	100K 1/16W	[M]
R6871	D0GB121JA007	120 1/16W	[M]
R6872	D0GB271JA007	270 1/16W	[M]
R6873	D0GB223JA041	22K 1/16W	[M]
R6874	D0GB472JA041	4.7K 1/16W	[M]
R6875	D0GB473JA041	47K 1/16W	[M]
R6881	D0GB222JA041	2.2K 1/16W	[M]
R6882	D0GB334JA007	330K 1/16W	[M]
R6883	D0GB474JA041	470K 1/16W	[M]
R6884	D0GB222JA041	2.2K 1/16W	[M]
R6885	D0GB334JA007	330K 1/16W	[M]
R6886	D0GB474JA041	470K 1/16W	[M]
R6887	ERJ3GEYJ103V	10K 1/16W	[M]
R6888	ERJ3GEYJ103V	10K 1/16W	[M]
R6889	D0GB223JA041	22K 1/16W	[M]
R6890	D0GB473JA041	47K 1/16W	[M]
R6891	ERJ3GEYJ103V	10K 1/16W	[M]
R6895	D0GB101JA007	100 1/16W	[M]
R6896	D0GB104JA007	100K 1/16W	[M]
R6897	D0GB474JA041	470K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6898	D0GB474JA041	470K 1/16W	[M]
R6899	D0GB104JA007	100K 1/16W	[M]
R6909	ERJ3GEYJ103V	10K 1/16W	[M]
R6912	D0GB473JA041	47K 1/16W	[M]
R6913	D0GB331JA007	330 1/16W	[M]
R6914	ERJ3EKF1801V	18 3W	[M]
R6915	ERJ3EKF3900V	39 3W	[M]
R6916	ERJ3EKF1002V	10 3W	[M]
R6917	ERJ3GEYJ103V	10K 1/16W	[M]
R6918	D0GB470JA008	47 1/16W	[M]
R6919	D0GB470JA008	47 1/16W	[M]
R6920	D0GB470JA008	47 1/16W	[M]
R6921	D0GB470JA008	47 1/16W	[M]
R6922	D0GB470JA008	47 1/16W	[M]
R6923	D0GB470JA008	47 1/16W	[M]
R6924	D0GB470JA008	47 1/16W	[M]
R6926	ERJ3GEYJ102V	1K 1/16W	[M]
R6927	D0GB470JA008	47 1/16W	[M]
R6928	D0GB470JA008	47 1/16W	[M]
R6929	D0GB470JA008	47 1/16W	[M]
R6930	D0GB470JA008	47 1/16W	[M]
R6931	D0GB470JA008	47 1/16W	[M]
R6932	D0GB470JA008	47 1/16W	[M]
R6933	D0GB470JA008	47 1/16W	[M]
R6934	D0GB470JA008	47 1/16W	[M]
R6935	D0GB470JA008	47 1/16W	[M]
R6936	D0GB470JA008	47 1/16W	[M]
R6937	D0GB470JA008	47 1/16W	[M]
R6938	D0GB470JA008	47 1/16W	[M]
R6939	D0GB470JA008	47 1/16W	[M]
R6940	D0GB470JA008	47 1/16W	[M]
R6941	D0GB470JA008	47 1/16W	[M]
R6944	D0GB470JA008	47 1/16W	[M]
R6945	D0GB470JA008	47 1/16W	[M]
R6946	D0GB470JA008	47 1/16W	[M]
R6947	ERJ3GEYJ103V	10K 1/16W	[M]
R6961	D0GB473JA041	47K 1/16W	[M]
R6962	D0GB152JA007	1.5K 1/16W	[M]
R6963	D0GB1R0JA007	1 1/16W	[M]
R6964	D0GB152JA007	1.5K 1/16W	[M]
R6967	D0GB472JA041	4.7K 1/16W	[M]
R6968	D0GB472JA041	4.7K 1/16W	[M]
R6969	D0GB332JA007	3.3K 1/16W	[M]
R6970	D0GB332JA007	3.3K 1/16W	[M]
R6971	D0GB470JA008	47 1/16W	[M]
R6972	D0GB470JA008	47 1/16W	[M]
R6973	D0GB470JA008	47 1/16W	[M]
R6974	D0GB470JA008	47 1/16W	[M]
R6976	D0GB470JA008	47 1/16W	[M]
R6978	ERJ3EKF2202V	22 3W	[M]
R6979	ERJ3EKF1201V	12 3W	[M]
R6980	ERJ3EKF1002V	10 3W	[M]
R6981	D0GB470JA008	47 1/16W	[M]
R6982	D0GB470JA008	47 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6984	D0GB470JA008	47 1/16W	[M]
R6985	D0GB470JA008	47 1/16W	[M]
R6986	D0GB470JA008	47 1/16W	[M]
R6988	D0GB470JA008	47 1/16W	[M]
R6989	D0GB470JA008	47 1/16W	[M]
R6990	D0GB470JA008	47 1/16W	[M]
R6991	D0GB470JA008	47 1/16W	[M]
R6992	D0GB470JA008	47 1/16W	[M]
R6993	D0GB470JA008	47 1/16W	[M]
R6994	D0GB470JA008	47 1/16W	[M]
R6995	D0GB470JA008	47 1/16W	[M]
R6996	D0GB470JA008	47 1/16W	[M]
R6997	ERJ3GEY0R00V	0 1/16W	[M]
R6998	ERJ3GEY0R00V	0 1/16W	[M]
		CAPACITORS	
C101	F1H1H103A219	0.01 50V	[M]
C102	ECA1CAK470XB	47 16V	[M]
C103	ECA1CAK470XB	47 16V	[M]
C201	F1H1H470A230	47P 50V	[M]
C202	F1H1H470A230	47P 50V	[M]
C205	F1H1H103A219	0.01 50V	[M]
C206	F1H1H331A013	330P 50V	[M]
C207	ECJ1VB1H561K	560P 50V	[M]
C208	ECA1CAK470XB	47 16V	[M]
C209	ECA1CAK100XB	10 16V	[M]
C210	ECA1CAK470XB	47 16V	[M]
C301	F1H1H470A230	47P 50V	[M]
C302	F1H1H470A230	47P 50V	[M]
C303	F1H1H470A230	47P 50V	[M]
C304	ECJ1VF1H223Z	0.022 50V	[M]
C305	ECA1CAK470XB	47 16V	[M]
C306	ECJ1VF1H223Z	0.022 50V	[M]
C307	ECA1CAK470XB	47 16V	[M]
C309	ECA1CAK470XB	47 16V	[M]
C310	ECJ1VF1H223Z	0.022 50V	[M]
C311	ECA1CAK470XB	47 16V	[M]
C312	F1H1H104A783	0.1 50V	[M]
C313	F1H1H470A230	47P 50V	[M]
C314	F1H1H104A783	0.1 50V	[M]
C315	ECA0JAK101XB	100 6.3V	[M]
C316	F1H1H104A783	0.1 50V	[M]
C317	F1H1H470A230	47P 50V	[M]
C318	F1H1H470A230	47P 50V	[M]
C319	F1H1H104A783	0.1 50V	[M]
C320	ECA0JAK101XB	100 6.3V	[M]
C321	F1H1H104A783	0.1 50V	[M]
C323	F1H1H470A230	47P 50V	[M]
C324	F1H1H104A783	0.1 50V	[M]
C325	ECA1CAK470XB	47 16V	[M]
C326	ECA1CAK470XB	47 16V	[M]
C327	ECA1CAK470XB	47 16V	[M]
C328	F1H1H470A230	47P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C365	F1H1H470A230	47P 50V	[M]
C385	F1K1C1050005	1 16V	[M]
C386	F1K1C1050005	1 16V	[M]
C387	F1K1C1050005	1 16V	[M]
C388	F1K1C1050005	1 16V	[M]
C389	F1K1C1050005	1 16V	[M]
C390	F1K1C1050005	1 16V	[M]
C391	F1K1C1050005	1 16V	[M]
C392	F1K1C1050005	1 16V	[M]
C393	F1K1C1050005	1 16V	[M]
C394	F1H1H104A783	0.1 50V	[M]
C395	F1H1H104A783	0.1 50V	[M]
C396	F1H1H104A783	0.1 50V	[M]
C397	F1H1H104A783	0.1 50V	[M]
C398	ECA0JAK101XB	100 6.3V	[M]
C399	ECA0JAK101XB	100 6.3V	[M]
C401	F1H1H101A230	100P 50V	[M]
C402	F1H1H101A230	100P 50V	[M]
C403	F1H1H101A230	100P 50V	[M]
C404	F1H1H101A230	100P 50V	[M]
C405	F1H1H101A230	100P 50V	[M]
C406	F1H1H101A230	100P 50V	[M]
C407	F1H1H331A013	330P 50V	[M]
C408	F1H1H331A013	330P 50V	[M]
C409	F1H1H101A230	100P 50V	[M]
C410	F1H1H101A230	100P 50V	[M]
C411	F1H1H331A013	330P 50V	[M]
C412	F1H1H331A013	330P 50V	[M]
C417	F1H1H101A230	100P 50V	[M]
C418	F1H1H101A230	100P 50V	[M]
C419	F1H1H101A230	100P 50V	[M]
C420	F1H1H101A230	100P 50V	[M]
C421	F1H1H101A230	100P 50V	[M]
C422	F1H1H101A230	100P 50V	[M]
C423	F1H1H101A230	100P 50V	[M]
C424	F1H1H101A230	100P 50V	[M]
C425	F1H1H101A230	100P 50V	[M]
C426	F1H1H101A230	100P 50V	[M]
C427	F1H1H101A230	100P 50V	[M]
C428	F1H1H101A230	100P 50V	[M]
C429	F1H1H101A230	100P 50V	[M]
C430	F1H1H101A230	100P 50V	[M]
C431	F1H1H101A230	100P 50V	[M]
C432	F1H1H101A230	100P 50V	[M]
C433	F1H1H101A230	100P 50V	[M]
C434	F1H1H101A230	100P 50V	[M]
C435	F1H1H101A230	100P 50V	[M]
C436	F1H1H101A230	100P 50V	[M]
C437	F1H1H101A230	100P 50V	[M]
C438	F1H1H101A230	100P 50V	[M]
C439	F1H1H101A230	100P 50V	[M]
C440	F1H1H101A230	100P 50V	[M]
C441	F1H1H101A230	100P 50V	[M]
C442	F1H1H101A230	100P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C443	F1H1H101A230	100P 50V	[M]
C444	F1H1H101A230	100P 50V	[M]
C445	F1H1H331A013	330P 50V	[M]
C450	F1H1H104A783	0.1 50V	[M]
C451	F1H1H104A783	0.1 50V	[M]
C452	ECA1CAK470XB	47 16V	[M]
C453	ECA1CAK470XB	47 16V	[M]
C454	F1H1H101A230	100P 50V	[M]
C455	F1H1H101A230	100P 50V	[M]
C456	F1H1H101A230	100P 50V	[M]
C464	F1H1H103A219	0.01 50V	[M]
C465	ECA0JAK101XB	100 6.3V	[M]
C466	ECA0JAK101XB	100 6.3V	[M]
C467	F1H1H103A219	0.01 50V	[M]
C468	ECA0JAK101XB	100 6.3V	[M]
C469	ECA0JAK101XB	100 6.3V	[M]
C470	F1H1H103A219	0.01 50V	[M]
C471	F1H1H103A219	0.01 50V	[M]
C488	F1H1H103A219	0.01 50V	[M]
C489	F1H1H104A783	0.1 50V	[M]
C490	F1H1H104A783	0.1 50V	[M]
C491	F1H1H104A783	0.1 50V	[M]
C492	F1H1H104A783	0.1 50V	[M]
C493	F1H1H104A783	0.1 50V	[M]
C494	F1H1H104A783	0.1 50V	[M]
C495	F1H1H104A783	0.1 50V	[M]
C498	F1H1H104A783	0.1 50V	[M]
C499	F1H1H104A783	0.1 50V	[M]
C501	F1H1H101A230	100P 50V	[M]
C502	F1H1H101A230	100P 50V	[M]
C503	ECA1EAK100XB	10 25V	[M]
C504	ECA1EAK100XB	10 25V	[M]
C505	F1H1H104A783	0.1 50V	[M]
C506	F1H1H104A783	0.1 50V	[M]
C507	ECA1EAK100XB	10 25V	[M]
C508	ECA1EAK100XB	10 25V	[M]
C509	F1H1H331A013	330P 50V	[M]
C510	F1H1H331A013	330P 50V	[M]
C511	ECJ1VC1H151J	150P 50V	[M]
C512	ECJ1VC1H151J	150P 50V	[M]
C513	ECA1EAK100XB	10 25V	[M]
C514	F1H1H104A783	0.1 50V	[M]
C515	F1H1H104A783	0.1 50V	[M]
C516	F1H1H101A230	100P 50V	[M]
C517	ECA1EAK100XB	10 25V	[M]
C518	ECA1EAK100XB	10 25V	[M]
C519	F1H1H104A783	0.1 50V	[M]
C520	F1H1H104A783	0.1 50V	[M]
C521	ECA1EAK100XB	10 25V	[M]
C522	ECA1EAK100XB	10 25V	[M]
C523	F1H1H331A013	330P 50V	[M]
C524	F1H1H331A013	330P 50V	[M]
C525	ECJ1VC1H151J	150P 50V	[M]
C526	ECJ1VC1H151J	150P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C527	ECA1CAK470XB	47 16V	[M]
C528	ECA1EAK100XB	10 25V	[M]
C529	F1H1H104A783	0.1 50V	[M]
C530	F1H1H104A783	0.1 50V	[M]
C531	F1H1H101A230	100P 50V	[M]
C532	F1H1H101A230	100P 50V	[M]
C533	ECA1EAK100XB	10 25V	[M]
C534	ECA1EAK100XB	10 25V	[M]
C535	F1H1H104A783	0.1 50V	[M]
C536	F1H1H104A783	0.1 50V	[M]
C537	ECA1EAK470XB	47 25V	[M]
C538	ECA1EAK470XB	47 25V	[M]
C541	F1H1H101A230	100P 50V	[M]
C542	F1H1H101A230	100P 50V	[M]
C543	F1H1H470A230	47P 50V	[M]
C544	F1H1H470A230	47P 50V	[M]
C545	ECA1EAK100XB	10 25V	[M]
C546	F1H1H104A783	0.1 50V	[M]
C547	F1H1H104A783	0.1 50V	[M]
C557	ECA1CAK470XB	47 16V	[M]
C558	ECA1CAK470XB	47 16V	[M]
C559	F1H1H104A783	0.1 50V	[M]
C560	F1H1H101A230	100P 50V	[M]
C701	ECQU2A104MLC	0.1 100V	[M]
C702	ECQU2A104MLC	0.1 100V	[M]
C703	F1BAF471A013	470 10V	[M]
C704	F1BAF471A013	470 10V	[M]
C705	F1BAF1020020	1000P 10V	[M]
C706	ECQU2A104MLC	0.1 100V	[M]
C707	EETBA2G181ED	180P 400V	[M]
C708	F1J2E1030004	0.01 250V	[M]
C709	F1D1H471A012	470P 50V	[M]
C710	ECKE3D821KBP	820P 2000V	[M]
C711	ECA1EPX470B	47 25V	[M]
C712	F1D1H221A012	220P 50V	[M]
C713	F1D1H102A012	1000P 50V	[M]
C714	F1BAF1020020	1000P 10V	[M]
C715	F1J2E1030004	0.01 250V	[M]
C716	F1H1H102A219	1000P 50V	[M]
C717	EEUPF1H102ZE	1000P 50V	[M]
C718	EEUPF1H102ZE	1000P 50V	[M]
C719	ECA1HAK010XB	1 50V	[M]
C720	F1D1H102A012	1000P 50V	[M]
C721	F1H1C104A008	0.1 16V	[M]
C722	ECA1CAK220XB	22 16V	[M]
C723	F1H1H102A219	1000P 50V	[M]
C725	ECA2GHG4R7B	4.7 250V	[M]
C726	F1B2H1820001	1800P 500V	[M]
C727	F1H1H102A219	1000P 50V	[M]
C728	ECJ2FB1H104K	0.1 50V	[M]
C729	ECA1HAK010XB	1 50V	[M]
C730	ECA1AAK221XB	220 10V	[M]
C732	ECA1HM471E	470 50V	[M]
C733	F1H1H332A013	3300P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C734	ECJ1VC1H471J	470P 50V	[M]
C735	F1J2A221A007	220P 100V	[M]
C736	F1H1H102A219	1000P 50V	[M]
C737	ECJ1VC1H471J	470P 50V	[M]
C738	ECJ1VB1H472K	4700P 50V	[M]
C739	F1H1H103A219	0.01 50V	[M]
C740	F1H1H103A219	0.01 50V	[M]
C741	F1H1H102A219	1000P 50V	[M]
C742	F1J2A1020002	1000P 100V	[M]
C743	F1J2A1020002	1000P 100V	[M]
C744	F1J2E1020002	1000P 250V	[M]
C745	F1H1H102A219	1000P 50V	[M]
C746	EEUFC1A102B	1000P 10V	[M]
C747	EEUFC1C102SE	1000P 16V	[M]
C748	ECA1CPXS471E	470 16V	[M]
C749	ECA1VAM101XB	100 35V	[M]
C750	ECA1AAK221XB	220 10V	[M]
C751	ECA1EPX101B	100 25V	[M]
C752	ECA1EPX101B	100 25V	[M]
C753	ECA1EPX101B	100 25V	[M]
C754	ECJ1VC1H560J	56P 50V	[M]
C755	F1J2E1020002	1000P 250V	[M]
C756	ECA1HAK010XB	1 50V	[M]
C757	ECA1HAK4R7XB	4.7 50V	[M]
C758	F1H1H103A219	0.01 50V	[M]
C759	ECA1HAK010XB	1 50V	[M]
C761	ECA1HAK100XB	10 50V	[M]
C762	ECA1HAK2R2XB	2.2 50V	[M]
C763	ECA1HAK4R7XB	4.7 50V	[M]
C764	F1H1H103A219	0.01 50V	[M]
C765	F1J2E1030004	0.01 250V	[M]
C879	F1D1H821A012	820P 50V	[M]
C880	F1D1H821A012	820P 50V	[M]
C881	F1D1H821A012	820P 50V	[M]
C882	F1D1H821A012	820P 50V	[M]
C883	F1D1H821A012	820P 50V	[M]
C884	F1D1H821A012	820P 50V	[M]
C885	F1D1H821A012	820P 50V	[M]
C886	F1D1H821A012	820P 50V	[M]
C887	F1D1H821A012	820P 50V	[M]
C888	F1D1H821A012	820P 50V	[M]
C889	F1D1H821A012	820P 50V	[M]
C890	F1D1H821A012	820P 50V	[M]
C891	F1D1H821A012	820P 50V	[M]
C892	F1D1H821A012	820P 50V	[M]
C893	F1D1H821A012	820P 50V	[M]
C894	F1D1H821A012	820P 50V	[M]
C895	F1D1H821A012	820P 50V	[M]
C896	F1D1H821A012	820P 50V	[M]
C899	ECA1CAK470XB	47 16V	[M]
C900	ECA1CAK470XB	47 16V	[M]
C901	F1H1H101A230	100P 50V	[M]
C902	F1H1H101A230	100P 50V	[M]
C903	F1H1H101A230	100P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C904	F1H1H101A230	100P 50V	[M]
C905	ECA1CAK470XB	47 16V	[M]
C911	F1H1H331A013	330P 50V	[M]
C912	F1H1H331A013	330P 50V	[M]
C913	F1H1H331A013	330P 50V	[M]
C914	F1H1H331A013	330P 50V	[M]
C915	F1H1H331A013	330P 50V	[M]
C916	F1H1H331A013	330P 50V	[M]
C917	F1H1H331A013	330P 50V	[M]
C918	F1H1H331A013	330P 50V	[M]
C919	F1H1H331A013	330P 50V	[M]
C920	F1H1H331A013	330P 50V	[M]
C921	F1H1H331A013	330P 50V	[M]
C922	ECA1HAK220XB	22 50V	[M]
C923	ECA1HAK220XB	22 50V	[M]
C924	ECA1HM101B	100 50V	[M]
C925	ECA1HAK100XB	10 50V	[M]
C926	ECA1HAK100XB	10 50V	[M]
C927	ECA0JAM471XB	470 6.3V	[M]
C928	F1H1H104A783	0.1 50V	[M]
C929	ECJ1VC1H680J	68P 50V	[M]
C931	F1H1H104A783	0.1 50V	[M]
C932	ECA1CAK100XB	10 16V	[M]
C933	F1H1H104A783	0.1 50V	[M]
C935	F1H1H102A219	1000P 50V	[M]
C939	ECJ1VB1H102K	1000P 50V	[M]
C985	F1H1H101A230	100P 50V	[M]
C986	F1H1H101A230	100P 50V	[M]
C987	F1H1H101A230	100P 50V	[M]
C989	F1H1H101A230	100P 50V	[M]
C999	F1H1H102A219	1000P 50V	[M]
C1001	F1H0J1050010	1 6.3V	[M]
C1002	F1H0J1050010	1 6.3V	[M]
C1003	F1H1C104A041	0.1 16V	[M]
C1004	ECJ1VC1H120J	12P 50V	[M]
C1005	ECJ1VC1H180J	18P 50V	[M]
C1006	F1H0J1050010	1 6.3V	[M]
C1007	F1H0J1050010	1 6.3V	[M]
C1008	ECJ1VC1H180J	18P 50V	[M]
C1009	ECJ1VC1H120J	12P 50V	[M]
C1010	ECJ1VC1H330J	33P 50V	[M]
C1011	F1H0J1050010	1 6.3V	[M]
C1012	ECJ1VC1H100D	10P 50V	[M]
C1013	F1H0J1050010	1 6.3V	[M]
C1014	EEE0JA470SR	47P 6.3V	[M]
C1015	F1H0J1050010	1 6.3V	[M]
C1016	EEE0JA470SR	47P 6.3V	[M]
C1017	EEE0JA470SR	47P 6.3V	[M]
C1018	F1H0J1050010	1 6.3V	[M]
C1019	F1H0J1050010	1 6.3V	[M]
C1020	F1H0J1050010	1 6.3V	[M]
C1021	F1H0J1050010	1 6.3V	[M]
C1022	F1H0J1050010	1 6.3V	[M]
C1023	F1H0J1050010	1 6.3V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1024	F1H0J1050010	1 6.3V	[M]
C1025	EEE0JA470SR	47P 6.3V	[M]
C1026	F1H0J1050010	1 6.3V	[M]
C1027	F1H1H101A230	100P 50V	[M]
C1028	F1H1H101A230	100P 50V	[M]
C1029	F1H1H101A230	100P 50V	[M]
C1030	F1H1H101A230	100P 50V	[M]
C1031	F1H1C104A041	0.1 16V	[M]
C1032	ECJ1VB1A474K	0.47 10V	[M]
C1033	ECJ1VC1H220J	22P 50V	[M]
C1034	ECJ1VC1H220J	22P 50V	[M]
C1035	ECJ1VC1H220J	22P 50V	[M]
C1036	EEEFK1C220R	22P 16V	[M]
C1037	F1H0J1050010	1 6.3V	[M]
C1038	F1H0J1050010	1 6.3V	[M]
C1039	F1H0J1050010	1 6.3V	[M]
C1040	ECJ1VC1H220J	22P 50V	[M]
C1041	F1H0J1050010	1 6.3V	[M]
C1042	F1H0J1050010	1 6.3V	[M]
C1043	F1H0J1050010	1 6.3V	[M]
C1044	F1H0J1050010	1 6.3V	[M]
C1045	F1H0J1050010	1 6.3V	[M]
C1047	F1H0J1050010	1 6.3V	[M]
C1048	F1H1C104A041	0.1 16V	[M]
C1049	F1H0J1050010	1 6.3V	[M]
C1050	F1H0J1050010	1 6.3V	[M]
C1051	ECJ1VC1H100D	10P 50V	[M]
C1052	ECJ1VC1H100D	10P 50V	[M]
C1053	F1H0J1050010	1 6.3V	[M]
C1054	F1H0J1050010	1 6.3V	[M]
C1055	F1H0J1050010	1 6.3V	[M]
C1056	F1H0J1050010	1 6.3V	[M]
C1057	F1H0J1050010	1 6.3V	[M]
C1058	F1H0J1050010	1 6.3V	[M]
C1059	F1H0J1050010	1 6.3V	[M]
C1060	F1H0J1050010	1 6.3V	[M]
C1061	F1H0J1050010	1 6.3V	[M]
C1062	ECJ1VC1H471J	470P 50V	[M]
C1063	ECJ1VC1H471J	470P 50V	[M]
C1064	F1H0J1050010	1 6.3V	[M]
C1065	F1H0J1050010	1 6.3V	[M]
C1066	F1H0J1050010	1 6.3V	[M]
C1067	F1H0J1050010	1 6.3V	[M]
C1068	F1H0J1050010	1 6.3V	[M]
C1069	F1H0J1050010	1 6.3V	[M]
C1070	ECJ1VC1H471J	470P 50V	[M]
C1071	ECJ1VC1H471J	470P 50V	[M]
C1072	F1H0J1050010	1 6.3V	[M]
C1073	F1H0J1050010	1 6.3V	[M]
C1074	F1H0J1050010	1 6.3V	[M]
C1075	F1H0J1050010	1 6.3V	[M]
C1076	F1H0J1050010	1 6.3V	[M]
C1077	F1H0J1050010	1 6.3V	[M]
C1078	ECJ1VC1H471J	470P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1079	ECJ1VC1H471J	470P 50V	[M]
C1080	F1H0J1050010	1 6.3V	[M]
C1081	EEE1CA100SR	10P 16V	[M]
C1082	F1H0J1050010	1 6.3V	[M]
C1084	ECJ1VC1H100D	10P 50V	[M]
C1085	ECJ1VC1H100D	10P 50V	[M]
C1086	ECJ1VC1H100D	10P 50V	[M]
C1087	ECJ1VC1H100D	10P 50V	[M]
C1088	ECJ1VC1H100D	10P 50V	[M]
C1089	ECJ1VC1H100D	10P 50V	[M]
C1090	ECJ1VC1H100D	10P 50V	[M]
C1094	EEEFK1C220R	22P 16V	[M]
C1095	EEEFK1C220R	22P 16V	[M]
C6003	ECJ1VC1H220K	22P 50V	[M]
C6004	ECJ1VC1H220K	22P 50V	[M]
C6017	ECJ1VC1H681J	680P 50V	[M]
C6018	ECJ1VC1H681J	680P 50V	[M]
C6019	ECJ1VB1C105K	1 16V	[M]
C6020	ECJ1VB1C105K	1 16V	[M]
C6023	ECJ1VC1H220K	22P 50V	[M]
C6024	ECJ1VC1H220K	22P 50V	[M]
C6037	ECJ1VC1H681J	680P 50V	[M]
C6038	ECJ1VC1H681J	680P 50V	[M]
C6039	ECJ1VB1C105K	1 16V	[M]
C6040	ECJ1VB1C105K	1 16V	[M]
C6041	EEE1HA2R2SR	2.2P 50V	[M]
C6042	EEE1HA2R2SR	2.2P 50V	[M]
C6043	F1H1C104A041	0.1 16V	[M]
C6044	F1H1C104A041	0.1 16V	[M]
C6045	ECJ2FB1H104K	0.1 50V	[M]
C6046	ECJ2FB1H104K	0.1 50V	[M]
C6047	ECJ2FB1H104K	0.1 50V	[M]
C6048	ECJ2FB1H104K	0.1 50V	[M]
C6051	ECJ1VC1H560J	56P 50V	[M]
C6052	ECJ1VC1H560J	56P 50V	[M]
C6053	ECJ1VC1H560J	56P 50V	[M]
C6054	ECJ1VC1H560J	56P 50V	[M]
C6055	ECJ1VC1H102K	1000P 50V	[M]
C6056	ECJ1VC1H102K	1000P 50V	[M]
C6057	F1H1C104A041	0.1 16V	[M]
C6058	F1H1C104A041	0.1 16V	[M]
C6059	EEE1CA470SP	47P 16V	[M]
C6060	EEE1CA470SP	47P 16V	[M]
C6071	F1H1H103A219	0.01 50V	[M]
C6072	F1H1H103A219	0.01 50V	[M]
C6075	ECJ2FB1H104K	0.1 50V	[M]
C6076	ECJ2FB1H104K	0.1 50V	[M]
C6077	EEE1EA330SP	33P 25V	[M]
C6078	EEE1EA330SP	33P 25V	[M]
C6079	F1H1C104A041	0.1 16V	[M]
C6080	EEE1HA2R2SR	2.2P 50V	[M]
C6081	ECJ1VC1H220K	22P 50V	[M]
C6082	ECJ1VC1H220K	22P 50V	[M]
C6083	ECJ1VC1H681J	680P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C6084	ECJ1VC1H681J	680P 50V	[M]
C6085	ECJ1VB1C105K	1 16V	[M]
C6086	ECJ1VB1C105K	1 16V	[M]
C6087	F1H1C104A041	0.1 16V	[M]
C6088	ECJ1VC1H560J	56P 50V	[M]
C6089	ECJ1VC1H560J	56P 50V	[M]
C6090	ECJ1VC1H560J	56P 50V	[M]
C6091	EEE1CA100SR	10P 16V	[M]
C6092	F1H1H392A013	3900P 50V	[M]
C6093	ECJ1VB1H102K	1000P 50V	[M]
C6094	EEE1CA100SR	10P 16V	[M]
C6095	EEE1CA100SR	10P 16V	[M]
C6096	ECJ1VB1H102K	1000P 50V	[M]
C6097	F1H1H103A219	0.01 50V	[M]
C6098	F1H1C104A041	0.1 16V	[M]
C6099	F1H1C104A041	0.1 16V	[M]
C6101	ECQE1474JFW	0.47 100V	[M]
C6102	ECQE1474JFW	0.47 100V	[M]
C6103	EEUPW1H102XE	1000P 50V	[M]
C6104	F1H1H102A219	1000P 50V	[M]
C6105	ECJ1VB1H223K	0.022 50V	[M]
C6106	ECJ1VB1H223K	0.022 50V	[M]
C6107	ECJ2FB2D103K	0.01 250V	[M]
C6108	ECJ2FB1H104K	0.1 50V	[M]
C6109	ECJ2FB2D103K	0.01 250V	[M]
C6110	ECJ2FB1H104K	0.1 50V	[M]
C6111	EEE1CA100SR	10P 16V	[M]
C6112	F1H1C104A041	0.1 16V	[M]
C6115	ECJ1VC1H681J	680P 50V	[M]
C6116	ECJ1VC1H681J	680P 50V	[M]
C6117	ECJ2VB2A103K	0.01 100V	[M]
C6118	ECJ1VB1C105K	1 16V	[M]
C6119	EEEFK1C220R	22P 16V	[M]
C6120	EEEFK1H100P	10P 16V	[M]
C6121	EEE1CA100SR	10P 16V	[M]
C6122	F1H1H102A219	1000P 50V	[M]
C6123	ECJ1VC1H330J	33P 50V	[M]
C6127	ECJ1VB2D331K	330 250V	[M]
C6129	ECJ1VB2D331K	330 250V	[M]
C6131	F1H1H102A219	1000P 50V	[M]
C6132	F1H1H102A219	1000P 50V	[M]
C6133	F1H1C104A041	0.1 16V	[M]
C6135	F1H1C104A041	0.1 16V	[M]
C6141	F1H1C104A041	0.1 16V	[M]
C6142	F1H1C104A041	0.1 16V	[M]
C6151	ECQE1474JFW	0.47 100V	[M]
C6152	ECQE1474JFW	0.47 100V	[M]
C6153	EEUPW1H102XE	1000P 50V	[M]
C6154	F1H1H102A219	1000P 50V	[M]
C6155	ECJ1VB1H223K	0.022 50V	[M]
C6156	ECJ1VB1H223K	0.022 50V	[M]
C6157	ECJ2FB2D103K	0.01 250V	[M]
C6158	ECJ2FB1H104K	0.1 50V	[M]
C6159	ECJ2FB2D103K	0.01 250V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C6160	ECJ2FB1H104K	0.1 50V	[M]
C6165	ECJ1VC1H681J	680P 50V	[M]
C6166	ECJ1VC1H681J	680P 50V	[M]
C6167	ECJ2VB2A103K	0.01 100V	[M]
C6168	ECJ1VB1C105K	1 16V	[M]
C6169	EEEFK1C220R	22P 16V	[M]
C6170	EEEFK1H100P	10P 16V	[M]
C6171	EEE1CA100SR	10P 16V	[M]
C6172	F1H1H102A219	1000P 50V	[M]
C6173	ECJ1VC1H330J	33P 50V	[M]
C6177	ECJ1VB2D331K	330 250V	[M]
C6179	ECJ1VB2D331K	330 250V	[M]
C6181	F1H1H102A219	1000P 50V	[M]
C6182	F1H1H102A219	1000P 50V	[M]
C6201	ECQE1474JFW	0.47 100V	[M]
C6202	ECQE1474JFW	0.47 100V	[M]
C6203	EEUPW1H102XE	1000P 50V	[M]
C6204	F1H1H102A219	1000P 50V	[M]
C6205	ECJ1VB1H223K	0.022 50V	[M]
C6206	ECJ1VB1H223K	0.022 50V	[M]
C6207	ECJ2FB2D103K	0.01 250V	[M]
C6208	ECJ2FB1H104K	0.1 50V	[M]
C6209	ECJ2FB2D103K	0.01 250V	[M]
C6210	ECJ2FB1H104K	0.1 50V	[M]
C6211	EEE1CA100SR	10P 16V	[M]
C6212	F1H1C104A041	0.1 16V	[M]
C6215	ECJ1VC1H681J	680P 50V	[M]
C6216	ECJ1VC1H681J	680P 50V	[M]
C6217	ECJ2VB2A103K	0.01 100V	[M]
C6218	ECJ1VB1C105K	1 16V	[M]
C6219	EEEFK1C220R	22P 16V	[M]
C6221	EEE1CA100SR	10P 16V	[M]
C6222	F1H1H102A219	1000P 50V	[M]
C6223	ECJ1VC1H330J	33P 50V	[M]
C6227	ECJ1VB2D331K	330 250V	[M]
C6229	ECJ1VB2D331K	330 250V	[M]
C6231	F1H1H102A219	1000P 50V	[M]
C6232	F1H1H102A219	1000P 50V	[M]
C6233	F1H1C104A041	0.1 16V	[M]
C6235	F1H1C104A041	0.1 16V	[M]
C6241	F1H1C104A041	0.1 16V	[M]
C6242	F1H1C104A041	0.1 16V	[M]
C6251	ECQE1474JFW	0.47 100V	[M]
C6252	ECQE1474JFW	0.47 100V	[M]
C6253	EEUPW1H102XE	1000P 50V	[M]
C6254	F1H1H102A219	1000P 50V	[M]
C6255	ECJ1VB1H223K	0.022 50V	[M]
C6256	ECJ1VB1H223K	0.022 50V	[M]
C6257	ECJ2FB2D103K	0.01 250V	[M]
C6258	ECJ2FB1H104K	0.1 50V	[M]
C6259	ECJ2FB2D103K	0.01 250V	[M]
C6260	ECJ2FB1H104K	0.1 50V	[M]
C6265	ECJ1VC1H681J	680P 50V	[M]
C6266	ECJ1VC1H681J	680P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C6267	ECJ2VB2A103K	0.01 100V	[M]
C6268	ECJ1VB1C105K	1 16V	[M]
C6269	EEEFK1C220R	22P 16V	[M]
C6271	EEE1CA100SR	10P 16V	[M]
C6272	F1H1H102A219	1000P 50V	[M]
C6273	ECJ1VC1H330J	33P 50V	[M]
C6277	ECJ1VB2D331K	330 250V	[M]
C6279	ECJ1VB2D331K	330 250V	[M]
C6281	F1H1H102A219	1000P 50V	[M]
C6282	F1H1H102A219	1000P 50V	[M]
C6301	ECQE1474JFW	0.47 100V	[M]
C6302	ECQE1474JFW	0.47 100V	[M]
C6303	EEUPW1H102XE	1000P 50V	[M]
C6304	F1H1H102A219	1000P 50V	[M]
C6305	ECJ1VB1H223K	0.022 50V	[M]
C6306	ECJ1VB1H223K	0.022 50V	[M]
C6307	ECJ2FB2D103K	0.01 250V	[M]
C6308	ECJ2FB1H104K	0.1 50V	[M]
C6309	ECJ2FB2D103K	0.01 250V	[M]
C6310	ECJ2FB1H104K	0.1 50V	[M]
C6311	EEE1CA100SR	10P 16V	[M]
C6312	F1H1C104A041	0.1 16V	[M]
C6315	ECJ1VC1H681J	680P 50V	[M]
C6316	ECJ1VC1H681J	680P 50V	[M]
C6317	ECJ2VB2A103K	0.01 100V	[M]
C6318	ECJ1VB1C105K	1 16V	[M]
C6319	EEEFK1C220R	22P 16V	[M]
C6321	EEE1CA100SR	10P 16V	[M]
C6322	F1H1H102A219	1000P 50V	[M]
C6323	ECJ1VC1H330J	33P 50V	[M]
C6327	ECJ1VB2D331K	330 250V	[M]
C6329	ECJ1VB2D331K	330 250V	[M]
C6331	F1H1H102A219	1000P 50V	[M]
C6332	F1H1H102A219	1000P 50V	[M]
C6333	F1H1C104A041	0.1 16V	[M]
C6335	F1H1C104A041	0.1 16V	[M]
C6341	F1H1C104A041	0.1 16V	[M]
C6342	F1H1C104A041	0.1 16V	[M]
C6351	ECQE1474JFW	0.47 100V	[M]
C6352	ECQE1474JFW	0.47 100V	[M]
C6353	EEUPW1H102XE	1000P 50V	[M]
C6354	F1H1H102A219	1000P 50V	[M]
C6355	ECJ1VB1H223K	0.022 50V	[M]
C6356	ECJ1VB1H223K	0.022 50V	[M]
C6357	ECJ2FB2D103K	0.01 250V	[M]
C6358	ECJ2FB1H104K	0.1 50V	[M]
C6359	ECJ2FB2D103K	0.01 250V	[M]
C6360	ECJ2FB1H104K	0.1 50V	[M]
C6365	ECJ1VC1H681J	680P 50V	[M]
C6366	ECJ1VC1H681J	680P 50V	[M]
C6367	ECJ2VB2A103K	0.01 100V	[M]
C6368	ECJ1VB1C105K	1 16V	[M]
C6369	EEEFK1C220R	22P 16V	[M]
C6371	EEE1CA100SR	10P 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C6372	F1H1H102A219	1000P 50V	[M]
C6373	ECJ1VC1H330J	33P 50V	[M]
C6377	ECJ1VB2D331K	330 250V	[M]
C6379	ECJ1VB2D331K	330 250V	[M]
C6381	F1H1H102A219	1000P 50V	[M]
C6382	F1H1H102A219	1000P 50V	[M]
C6405	ECJ1VB1H223K	0.022 50V	[M]
C6406	ECJ1VB1H223K	0.022 50V	[M]
C6411	EEE1CA100SR	10P 16V	[M]
C6412	F1H1C104A041	0.1 16V	[M]
C6418	ECJ1VB1C105K	1 16V	[M]
C6433	F1H1C104A041	0.1 16V	[M]
C6435	F1H1C104A041	0.1 16V	[M]
C6441	F1H1C104A041	0.1 16V	[M]
C6442	F1H1C104A041	0.1 16V	[M]
C6451	ECQE1474JFW	0.47 100V	[M]
C6452	ECQE1474JFW	0.47 100V	[M]
C6453	EEUPW1H102XE	1000P 50V	[M]
C6454	F1H1H102A219	1000P 50V	[M]
C6455	ECJ1VB1H223K	0.022 50V	[M]
C6456	ECJ1VB1H223K	0.022 50V	[M]
C6457	ECJ2FB2D103K	0.01 250V	[M]
C6458	ECJ2FB1H104K	0.1 50V	[M]
C6459	ECJ2FB2D103K	0.01 250V	[M]
C6460	ECJ2FB1H104K	0.1 50V	[M]
C6465	ECJ1VC1H681J	680P 50V	[M]
C6466	ECJ1VC1H681J	680P 50V	[M]
C6467	ECJ2VB2A103K	0.01 100V	[M]
C6468	ECJ1VB1C105K	1 16V	[M]
C6471	EEE1CA100SR	10P 16V	[M]
C6472	F1H1H102A219	1000P 50V	[M]
C6473	ECJ1VC1H330J	33P 50V	[M]
C6477	ECJ1VB2D331K	330 250V	[M]
C6479	ECJ1VB2D331K	330 250V	[M]
C6481	F1H1H102A219	1000P 50V	[M]
C6482	F1H1H102A219	1000P 50V	[M]
C6605	ECJ1VB1H472K	4700P 50V	[M]
C6606	ECJ1VB1C473K	0.047 16V	[M]
C6609	F1H1C104A041	0.1 16V	[M]
C6612	F1H1H102A219	1000P 50V	[M]
C6614	F1H1H102A219	1000P 50V	[M]
C6632	F1H1C104A041	0.1 16V	[M]
C6633	EEE1CA100SR	10P 16V	[M]
C6634	F1H1C104A041	0.1 16V	[M]
C6635	F1H1C104A041	0.1 16V	[M]
C6636	EEE1CA100SR	10P 16V	[M]
C6657	ECJ1VB1C105K	1 16V	[M]
C6659	ECJ1VB1C105K	1 16V	[M]
C6660	F1H1C104A041	0.1 16V	[M]
C6664	F1H1C104A041	0.1 16V	[M]
C6671	ECJ1VB1C105K	1 16V	[M]
C6673	F1H1C104A041	0.1 16V	[M]
C6674	F1H1C104A041	0.1 16V	[M]
C6679	EEE1CA100SR	10P 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C6680	F1H1C104A041	0.1 16V	[M]
C6681	F1H1H102A219	1000P 50V	[M]
C6682	F1H1H102A219	1000P 50V	[M]
C6686	EEE1HA2R2SR	2.2P 50V	[M]
C6705	ECJ1VB1H472K	4700P 50V	[M]
C6706	ECJ1VB1C473K	0.047 16V	[M]
C6709	F1H1C104A041	0.1 16V	[M]
C6720	F1H1C104A041	0.1 16V	[M]
C6722	F1H1C104A041	0.1 16V	[M]
C6732	F1H1C104A041	0.1 16V	[M]
C6733	EEE1CA100SR	10P 16V	[M]
C6734	F1H1C104A041	0.1 16V	[M]
C6735	F1H1C104A041	0.1 16V	[M]
C6736	EEE1CA100SR	10P 16V	[M]
C6757	ECJ1VB1C105K	1 16V	[M]
C6759	ECJ1VB1C105K	1 16V	[M]
C6760	F1H1C104A041	0.1 16V	[M]
C6779	EEE1CA100SR	10P 16V	[M]
C6780	F1H1C104A041	0.1 16V	[M]
C6805	ECJ1VB1C105K	1 16V	[M]
C6811	F1H1C104A041	0.1 16V	[M]
C6818	F1H1C104A041	0.1 16V	[M]
C6820	ECJ1VB1C105K	1 16V	[M]
C6844	F1H1H102A219	1000P 50V	[M]
C6855	F1H1H103A219	0.01 50V	[M]
C6856	EEE1AA220WR	22P 10V	[M]
C6857	EEE0JA101SP	100P 6.3V	[M]
C6858	F1H1C104A041	0.1 16V	[M]
C6859	EEE0JA102UP	1000P 6.3V	[M]
C6860	EEE0JA102UP	1000P 6.3V	[M]
C6861	F1H1H102A219	1000P 50V	[M]
C6863	ECJ1VC1H561K	560P 50V	[M]
C6864	ECJ1VC1H561K	560P 50V	[M]
C6870	F1H1H103A219	0.01 50V	[M]
C6871	ECJ1VB1C105K	1 16V	[M]
C6872	F1H1H103A219	0.01 50V	[M]
C6881	F1H1H103A219	0.01 50V	[M]
C6884	F1H1H103A219	0.01 50V	[M]
C6890	F1H1H102A219	1000P 50V	[M]
C6891	F1H1C104A041	0.1 16V	[M]
C6892	EEE1CA221XP	220P 16V	[M]
C6893	F1H1C104A041	0.1 16V	[M]
C6899	ECJ1VB1C105K	1 16V	[M]
C6901	EEE1AA330SR	33P 10V	[M]
C6902	EEE0JA101SP	100P 6.3V	[M]
C6906	EEE0JA102UP	1000P 6.3V	[M]
C6909	F1H1C104A041	0.1 16V	[M]
C6910	F1H1C104A041	0.1 16V	[M]
C6912	F1H1H103A219	0.01 50V	[M]
C6914	EEE0JA101SP	100P 6.3V	[M]
C6916	ECJ1VB1C105K	1 16V	[M]
C6922	F1H1H103A219	0.01 50V	[M]
C6923	F1H1H103A219	0.01 50V	[M]
C6926	ECJ1VB1C105K	1 16V	[M]

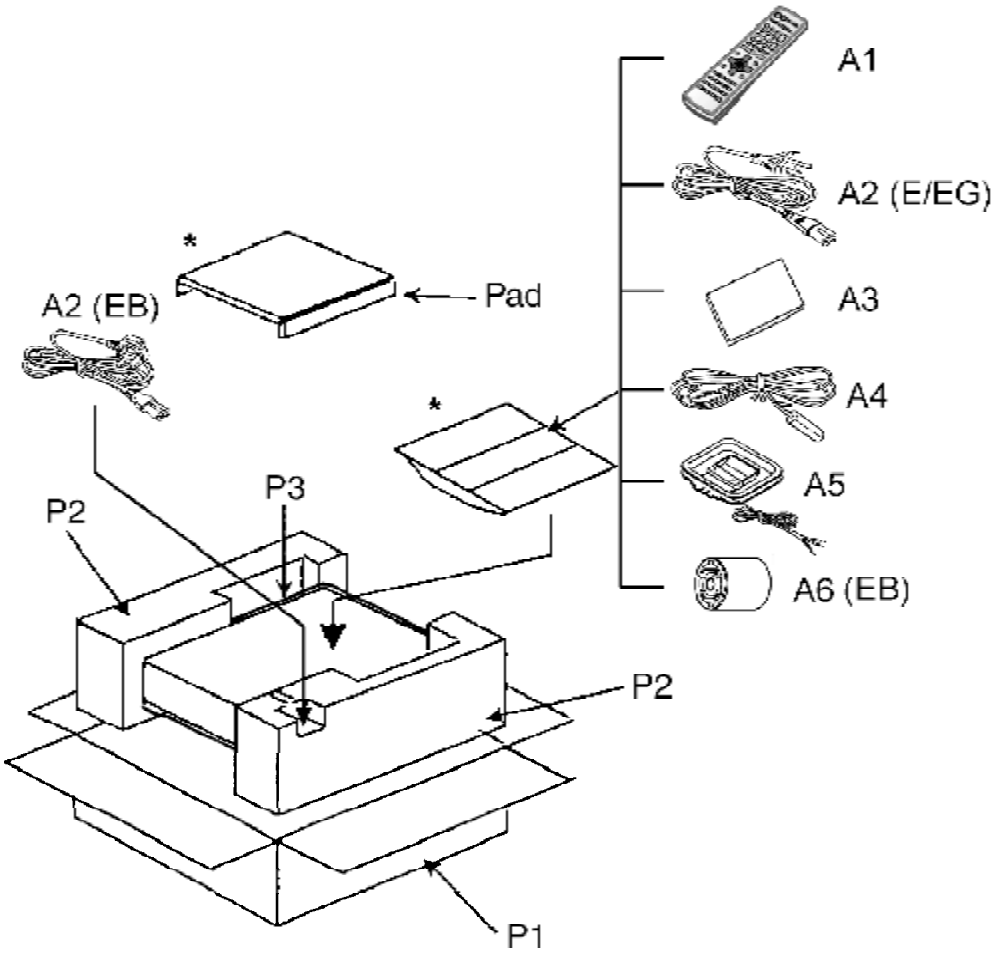
Ref. No.	Part No.	Part Name & Description	Remarks
C6956	F1H1C104A041	0.1 16V	[M]
C6962	ECJ1VB1C105K	1 16V	[M]
C6971	ECJ1VC1H220K	22P 50V	[M]
C6972	ECJ1VC1H220K	22P 50V	[M]
C6973	ECJ1VC1H220K	22P 50V	[M]
C6974	ECJ1VC1H220K	22P 50V	[M]
C6976	ECJ1VC1H220K	22P 50V	[M]
C6977	ECJ1VC1H220K	22P 50V	[M]
C6978	EEE1AA330SR	33P 10V	[M]
C6979	EEE0JA101SP	100P 6.3V	[M]
C6981	ECJ1VC1H220K	22P 50V	[M]
C6982	ECJ1VC1H220K	22P 50V	[M]
C6984	ECJ1VC1H220K	22P 50V	[M]
C6985	ECJ1VC1H220K	22P 50V	[M]
C6986	ECJ1VC1H220K	22P 50V	[M]
C6988	ECJ1VC1H220K	22P 50V	[M]
C6989	ECJ1VC1H220K	22P 50V	[M]
C6990	ECJ1VC1H220K	22P 50V	[M]
C6991	ECJ1VC1H220K	22P 50V	[M]
C6992	ECJ1VC1H220K	22P 50V	[M]
C6993	ECJ1VC1H220K	22P 50V	[M]
C6994	ECJ1VC1H220K	22P 50V	[M]
C6995	ECJ1VC1H220K	22P 50V	[M]
C6996	ECJ1VC1H220K	22P 50V	[M]
C6998	EEE1AA220WR	22P 10V	[M]
C6999	ECJ1VB1C105K	1 16V	[M]

18.3. Packing Materials & Accessories Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPG7607	PACKING CASE	[M]S
P1	RPG7608	PACKING CASE	[M]K
P2	RPN1787	POLYFOAM	[M]
P3	VPF1122	POLYBAG	[M]
		ACCESSORIES	
A1	EUR7722KN0	REMOTE CONTROL	[M]
A1-1	UR76EC3103A	R/C BATTERY COVER	[M]
A2	K2CQ2CA00002	AC CORD	[M]EG E ⚠
A2	RJA0053-3X	AC CORD	[M]EB ⚠
A3	RQT7996-D	O/I BOOK (Da/Du/Fr/Ge/It/Sw)	[M]EG
A3	RQT7997-B	O/I BOOK (En)	[M]EB E
A3	RQT7998-R	O/I BOOK (Cz/Po/Sp)	[M]E
A3	RQT8001-D	O/I BOOK (Ge/It)	[M]EG
A3	RQT8002-E	O/I BOOK (Fr/Du)	[M]EG
A3	RQT8003-H	O/I BOOK (Da/Sw)	[M]EG
A3	RQT8004-B	O/I BOOK (En)	[M]EB E
A3	RQT8005-E	O/I BOOK (Sp)	[M]E
A3	RQT8006-R	O/I BOOK (Po/Cz)	[M]E

Ref. No.	Part No.	Part Name & Description	Remarks
A4	RSA0007-L	FM ANTENNA WIRE	[M]
A5	RSA0037	AM LOOP ANTENNA	[M]
A6	K1YZ02000013	ANT ADAPTER	[M]EB

18.4. Packaging



* Not Supplied

FLE0505 P/J/E/A/M/S